JVC

SERVICE MANUAL

VIDEO CASSETTE RECORDER

HR-J250E/J258E

Radio en Televisieservice
"KEES van de MORTEL"
Boksheuvelstraat 14
5222 AN 's-HERTOGENBOSCH
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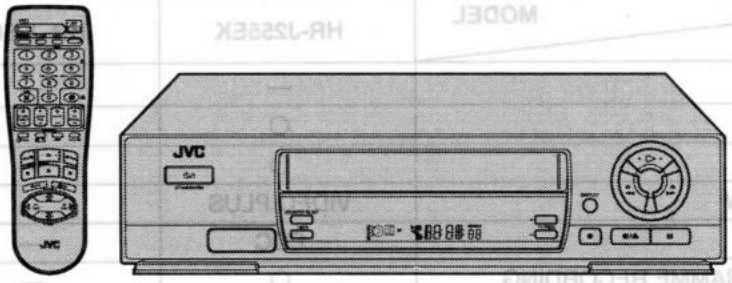

Regarding service information other than these sections, refer to the HR-J255EK service manual (No. 82646). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS *(The specifications shown pertain specifically to the model HR-J250E)*

GENERAL

Power requirement	: AC 220 – 240 V~, 50/60 Hz
Power consumption	
Power on	: 18 W
Power off	: 4 W
Temperature	
Operating	: 5°C to 40°C
Storage	: –20°C to 60°C
Operating position	: Horizontal only
Dimensions (WxHxD)	: 400 x 94 x 277 mm
Weight	: 3.3 kg
Format	: VHS PAL standard
Maximum recording time	: 240 min. with E-240 video cassette

VIDEO/AUDIO

Signal system	: PAL-type colour signal and CCIR monochrome signal,625 lines 50 fields
Recording system	: Rotary two-head helical scan system
Signal-to-noise ratio	: 45 dB
Horizontal resolution	: 250 lines
Frequency range	: 70 Hz to 10,000 Hz
Input/Output	: 21-pin SCART connector: IN/OUT x 1

TUNER/TIMER

TV channel storage capacity	: 99 positions (+AUX position)
Tuning system	: Frequency synthesized tuner
Channel coverage	: VHF 47 – 89/104 – 300/ 302 – 470MHz UHF 470 – 862MHz
Aerial output	: UHF channels 28 – 60 (Adjustable)
Memory backup time	: Approx. 10 min.

ACCESSORIES

Provided accessories	: RF cable, Infrared remote control unit, "R6" battery x 2

E.& O.E. Design and specifications subject to change without notice.

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No. 82656
June 1998

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The following table indicate differnt points between models HR-J255EK,HR-J250E and HR-J258E.

ITEM \ MODEL	HR-J255EK	HR-J250E	HR-J258E
POWER SAVE MODE	—	—	○
ATS +	○	—	○
AUTO & JUST CLOCK	○	—	○
VIDEO PLUS/SHOW VIEW	VIDEO PLUS	—	SHOW VIEW
VPS/PDC	PDC	—	VPS/PDC
AUTO SATELLITE PROGRAMME RECORDING	○	—	○

Notes : Mark ○ is used. Mark — is not used.

The following table indicate differnt parts number between models HR-J255EK,HR-J250E and HR-J258E.

PACKING AND ACCESSORY ASSEMBLY <M1>

⚠ REF. NO	ITEM \ MODEL	HR-J255EK	HR-J250E	HR-J258E
301	PACKING CASE	LP30354-005B	LP30354-015B	LP30354-011B
⚠ 310	INST.BOOK(EN)	LPT0041-001A	LPT0045-001A	LPT0046-001A
⚠	INST.BOOK(GE)	—	LPT0045-002A	LPT0046-002A
⚠	INST.BOOK(FR)	—	LPT0045-003A	LPT0046-003A
⚠	INST.BOOK(IT)	—	LPT0045-004A	LPT0046-004A
⚠	INST.BOOK(SP)	—	LPT0045-005A	LPT0046-005A
⚠	INST.BOOK(DU)	—	LPT0045-006A	LPT0046-006A
⚠	INST.BOOK(DA)	—	LPT0045-007A	LPT0046-007A
⚠	INST.BOOK(FI)	—	LPT0045-008A	LPT0046-008A
⚠	INST.BOOK(SW)	—	LPT0045-009A	LPT0046-009A
⚠	INST.BOOK(NO)	—	LPT0045-010A	LPT0046-010A
⚠	INST.BOOK(PT)	—	LPT0045-011A	LPT0046-011A
⚠	INST.BOOK(GR)	—	LPT0045-012A	LPT0046-012A
313	E.DISTRI.LIST	BT-20066A	—	—
314	SHEET(SPAIN)	—	PQ45146-136	PQ45146-132

Notes : Mark — is not used. Mark ←— is same as left.

CABINET AND CHASSIS ASSEMBLY <M2>

⚠ REF. NO	ITEM / MODEL	HR-J255EK	HR-J250E	HR-J258E
⚠ 550	FRONT PANEL ASSY	LP10119-003C	LP10119-007D	LP10119-005D
550C	DISPLAY WINDOW	LP20326-003A	LP20326-007A	LP20326-005A
⚠ 554	TERM.BOARD	LP20317-001B	LP20317-002A	LP20317-001B
⚠ 571	POWER CORD	QMP51K0-170	QMP4A10-170	←
590	SCREW,CAP.M.SUB BOARD	* QYTDSF3010Z	←	←

MAIN BOARD ASSEMBLY <03>

⚠ REF. NO	ITEM / MODEL	HR-J255EK	HR-J250E	HR-J258E
PW1	MAIN BOARD ASSY	LPA10008-03B1	LPA10008-08A1	LPA10008-07B1

LED BOARD ASSEMBLY <94>

⚠ REF. NO	ITEM / MODEL	HR-J255EK	HR-J250E	HR-J258E
PW2	LED BOARD ASSY	LPA10008-01B2	—	LPA10008-01B2
D7033	LE DIODE	SLR-342VR3F	—	SLR-342VR3F
HD1	LE HOLDER	PQM30038-1-2	—	PQM30038-1-2
CN7005	CONNECTOR (1-3) MAIN	QGB2530J1-03	—	QGB2530J1-03

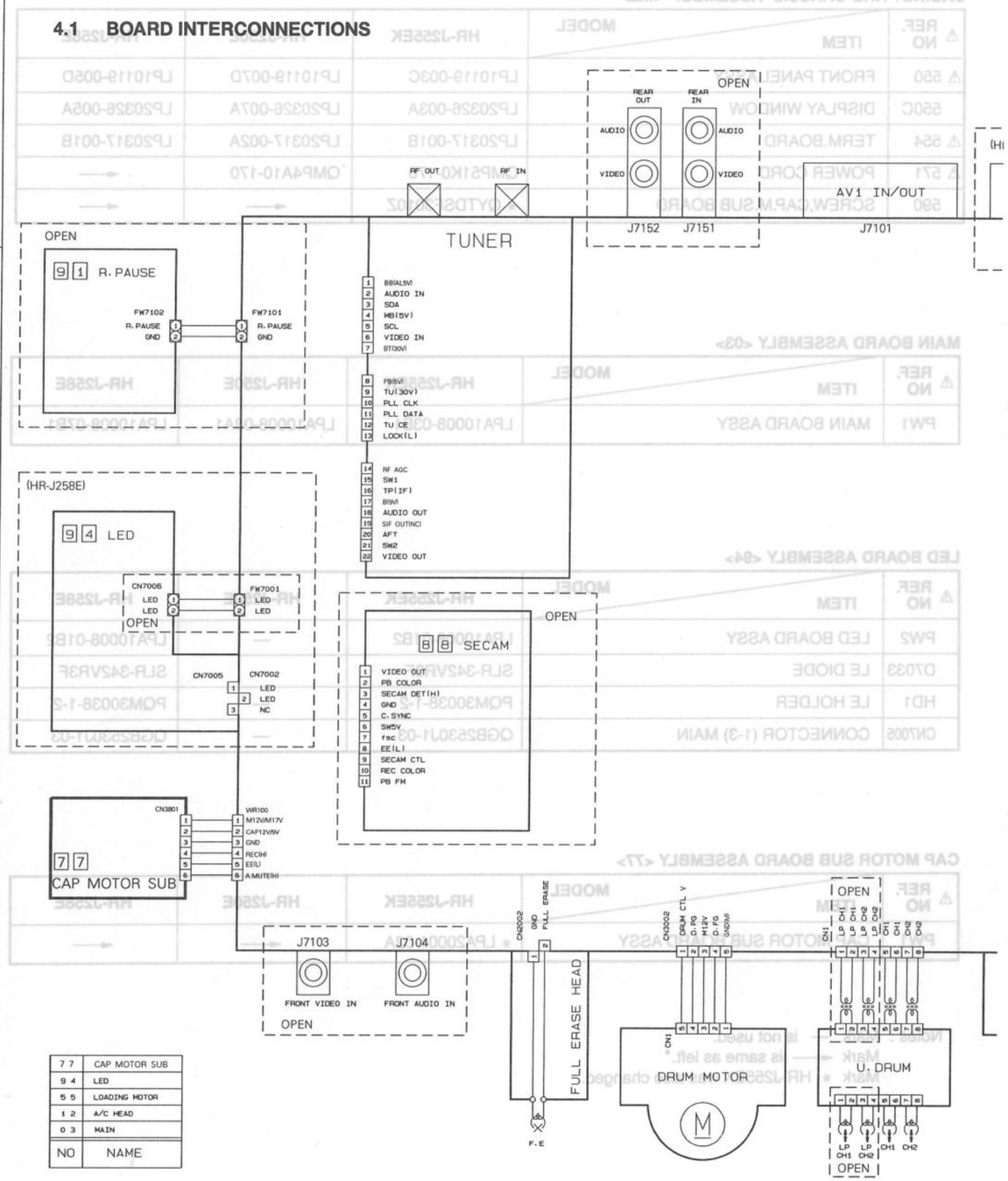
CAP MOTOR SUB BOARD ASSEMBLY <77>

⚠ REF. NO	ITEM / MODEL	HR-J255EK	HR-J250E	HR-J258E
PW1	CAP MOTOR SUB BOARD ASSY	* LPA20001-02A	←	←

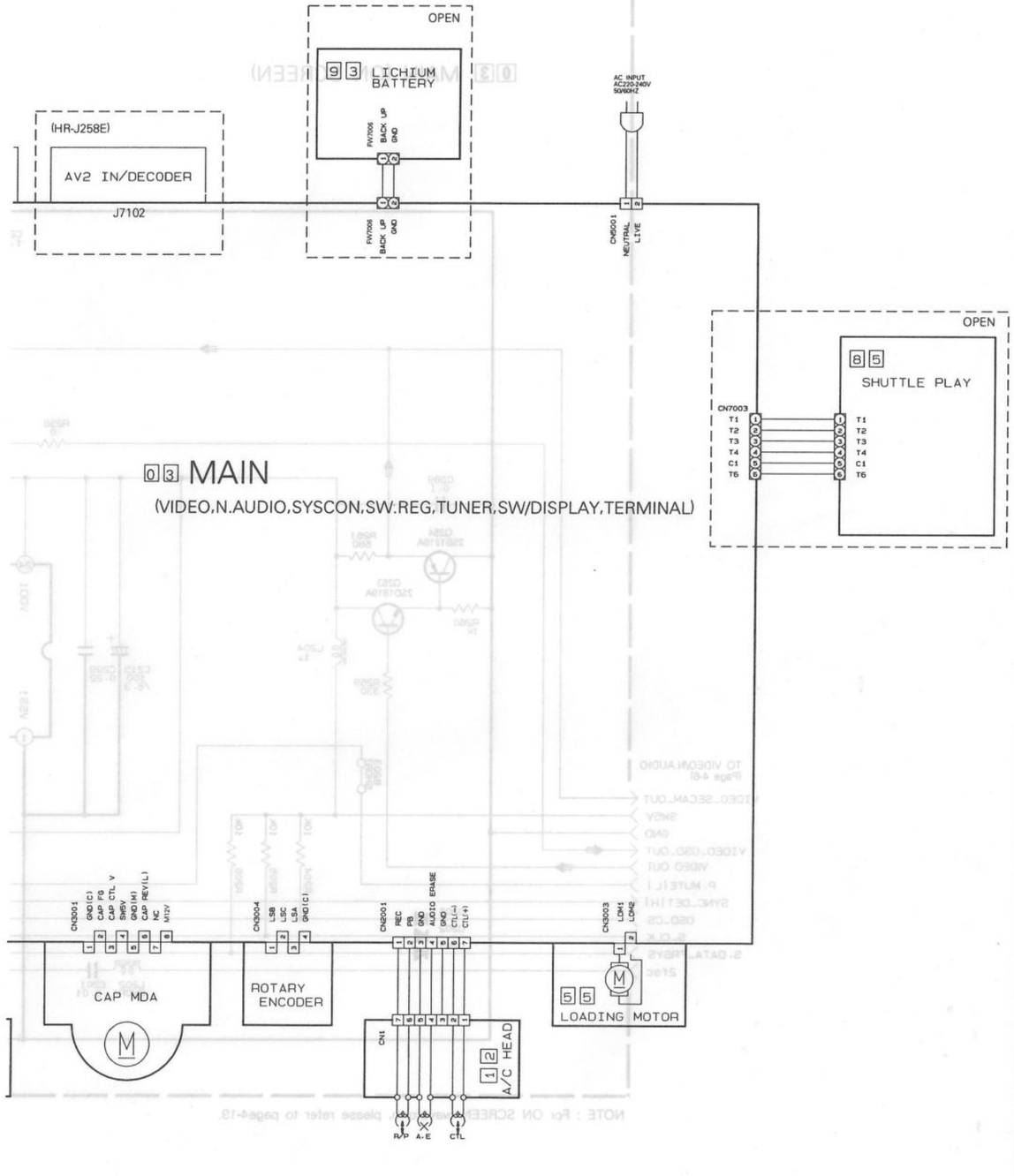
Notes : Mark — is not used.
Mark ← is same as left.
Mark * HR-J255EK was also changed.

SECTION 4
CHARTS AND DIAGRAMS

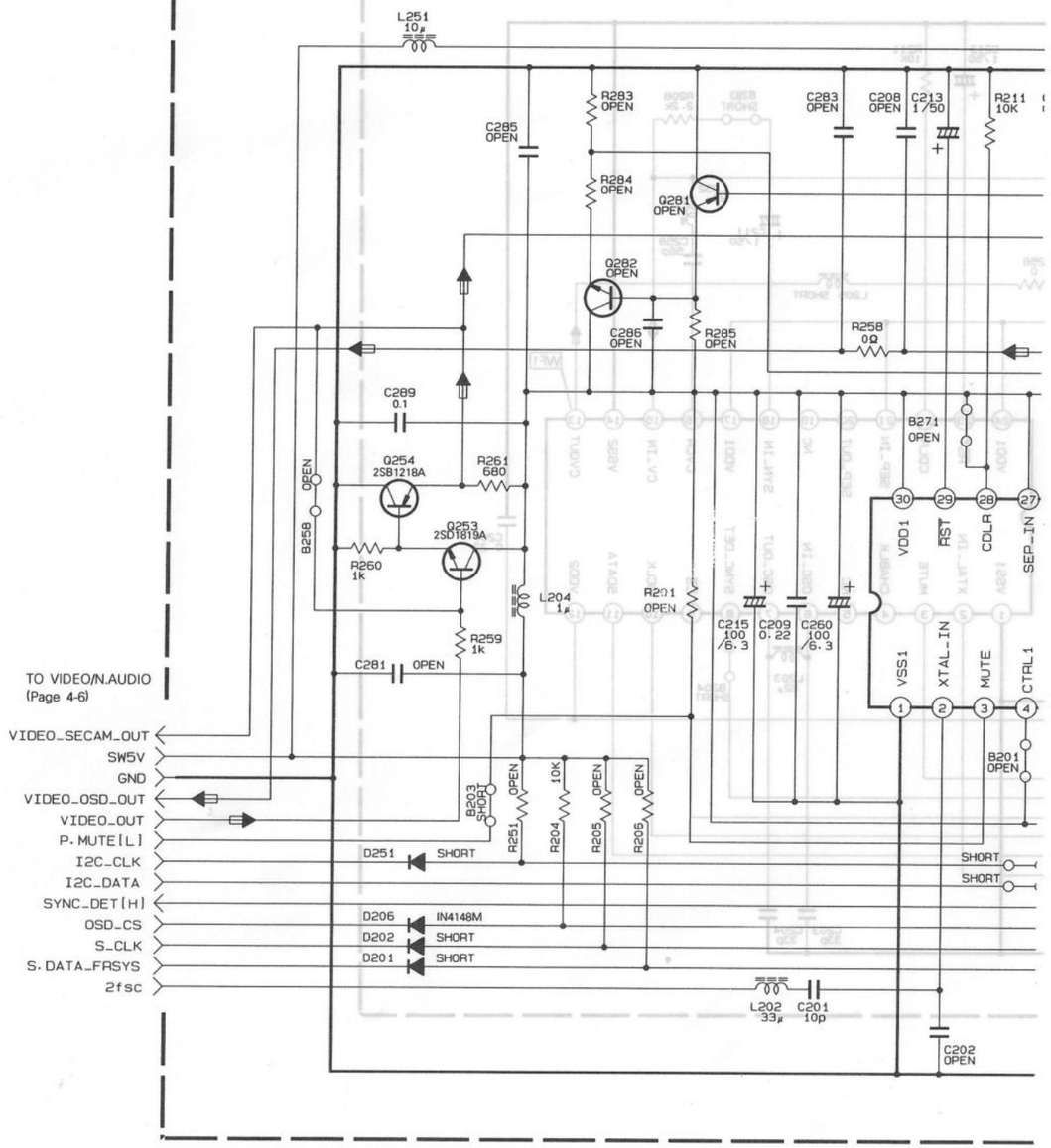
4.1 BOARD INTERCONNECTIONS



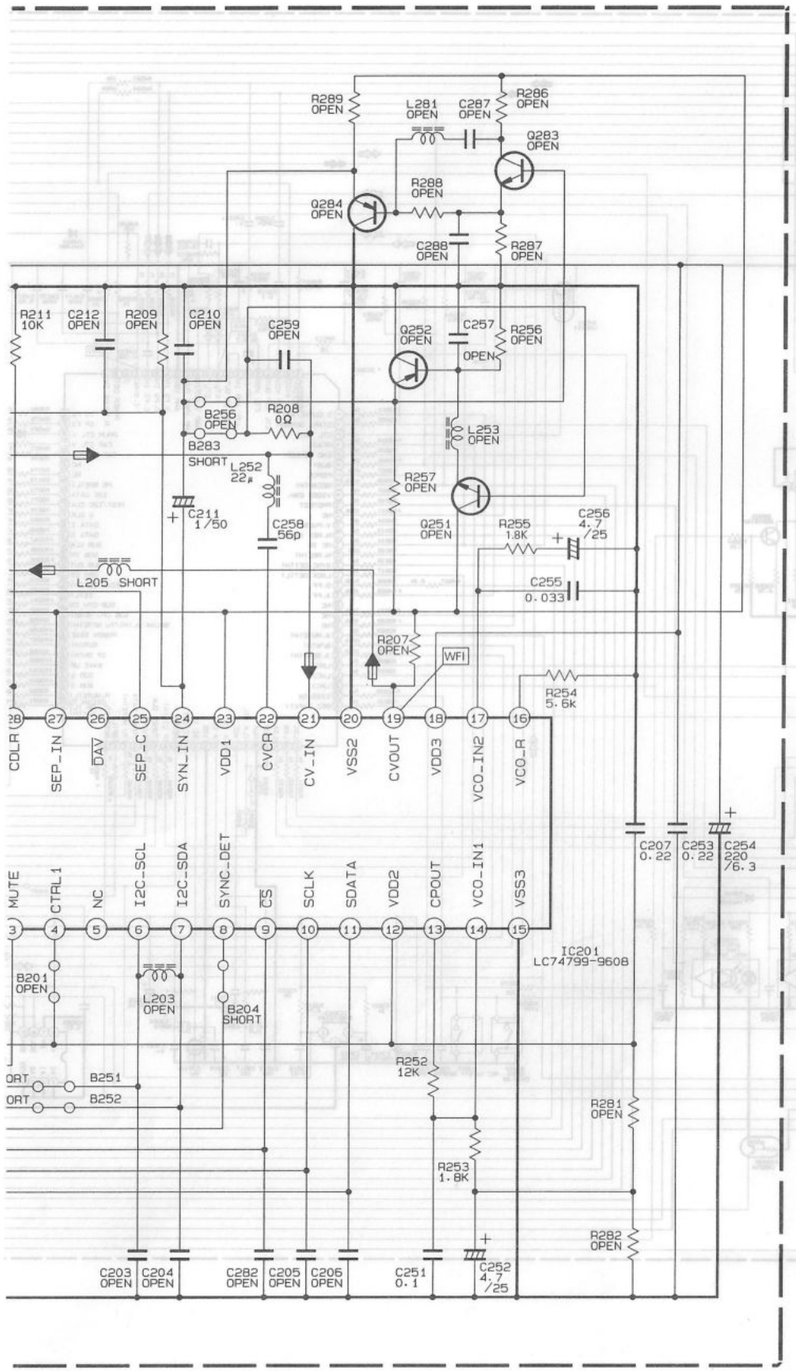
77	CAP MOTOR SUB
94	LED
55	LOADING MOTOR
12	A/C HEAD
03	MAIN
NO	NAME



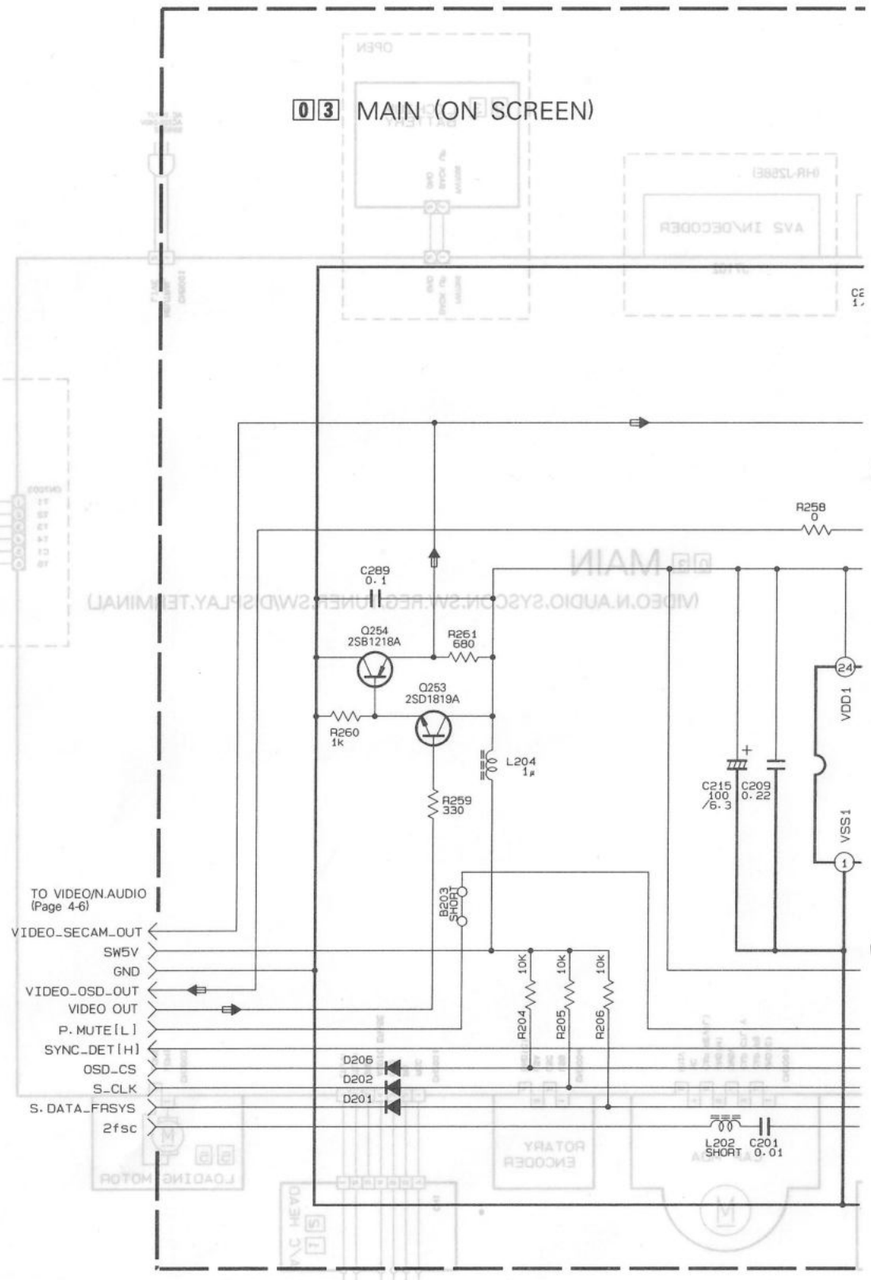
0 3 MAIN (ON SCREEN)



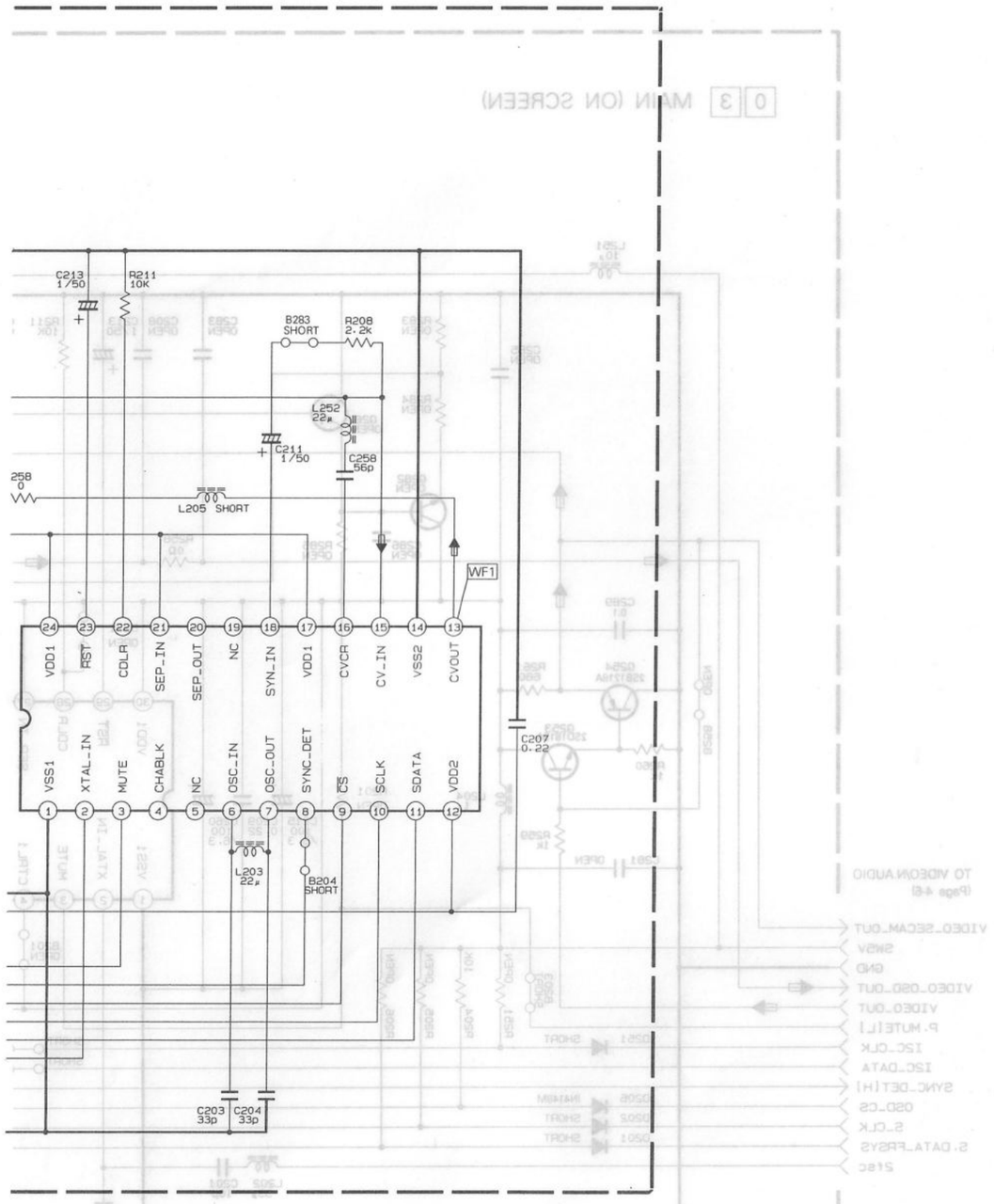
NOTE : For ON SCREEN waveform, please refer to page 4-19.



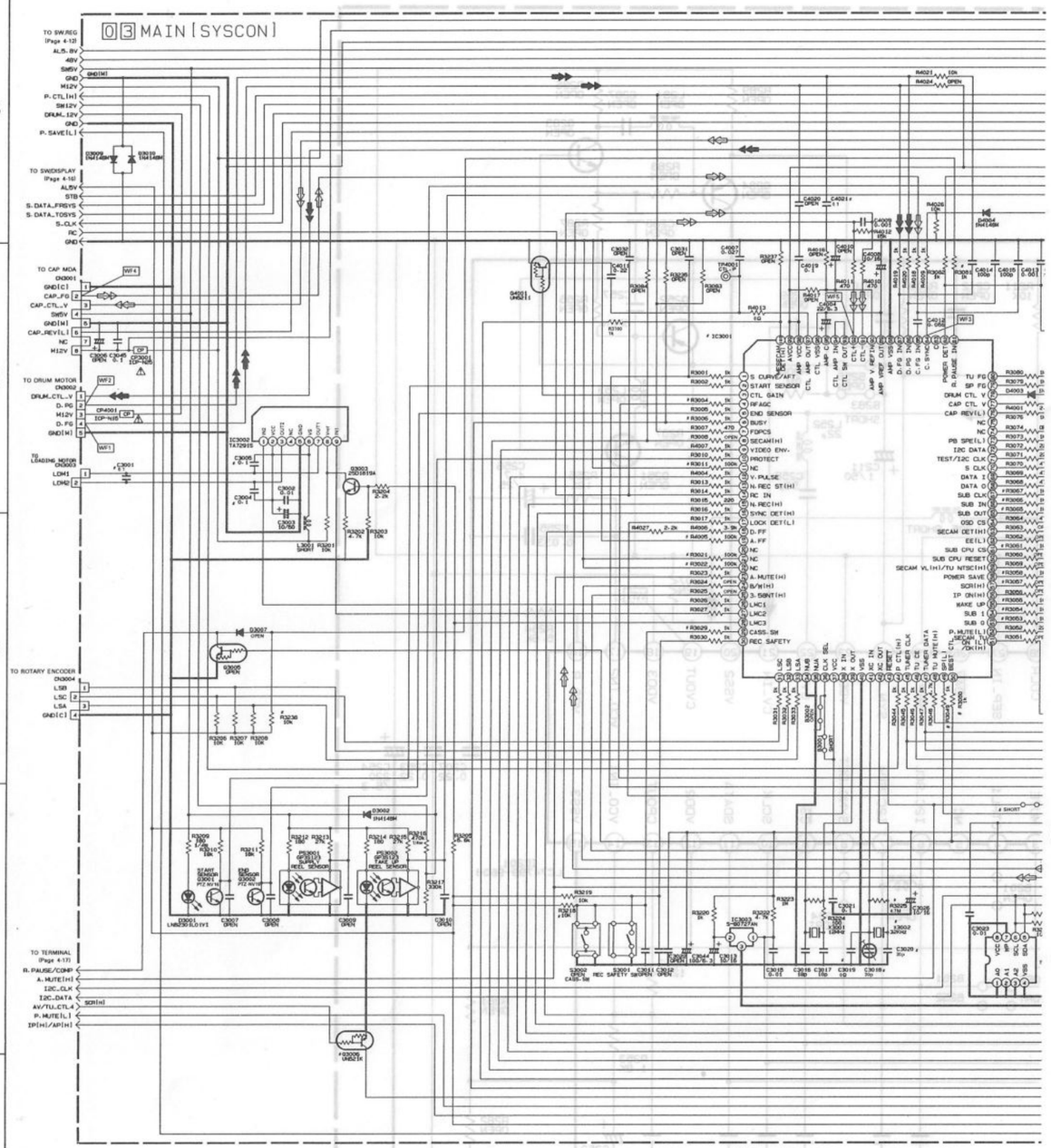
03 MAIN (ON SCREEN)

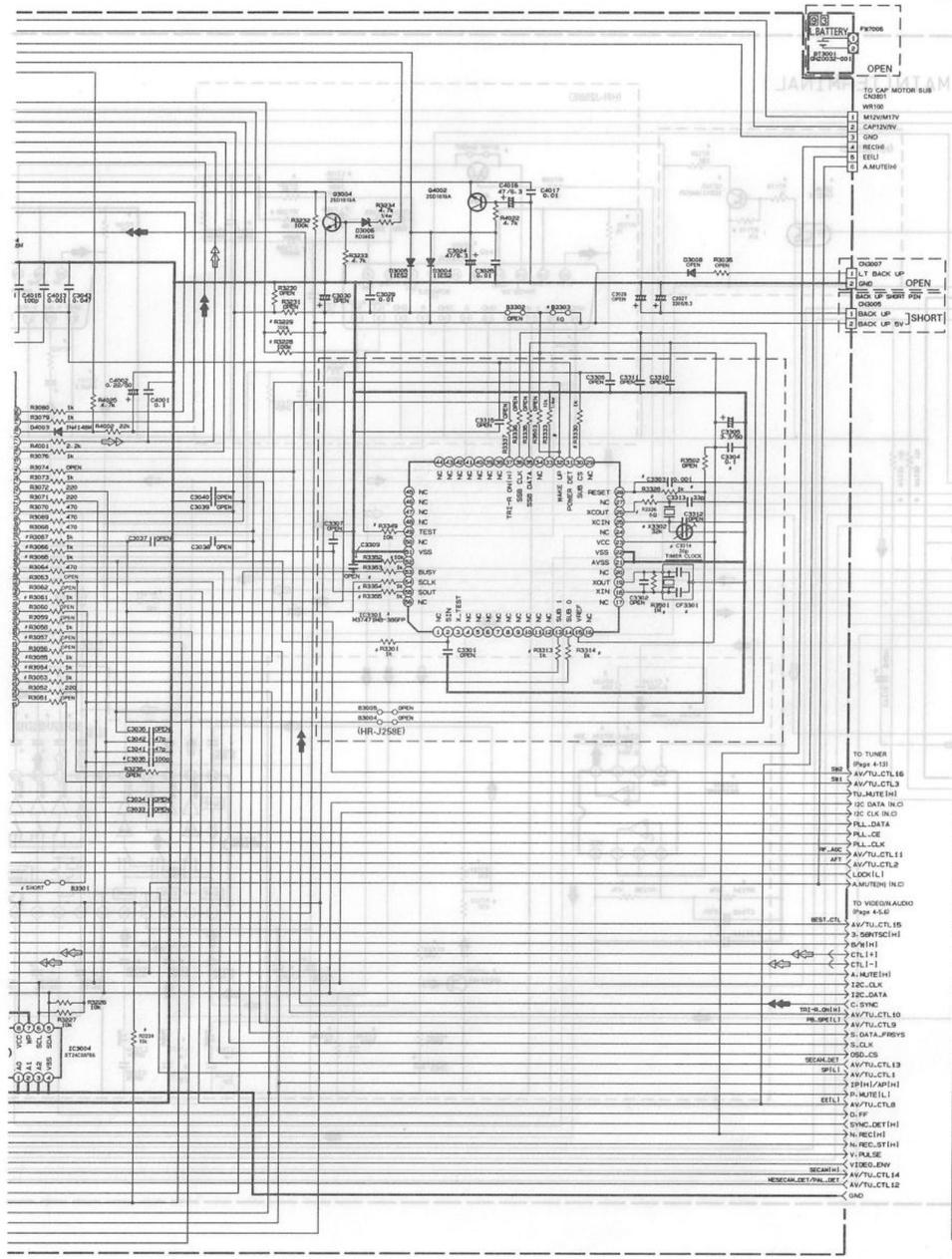


NOTE : For ON SCREEN waveform, please refer to page4-19.



4.4 SYSCON SCHEMATIC DIAGRAM

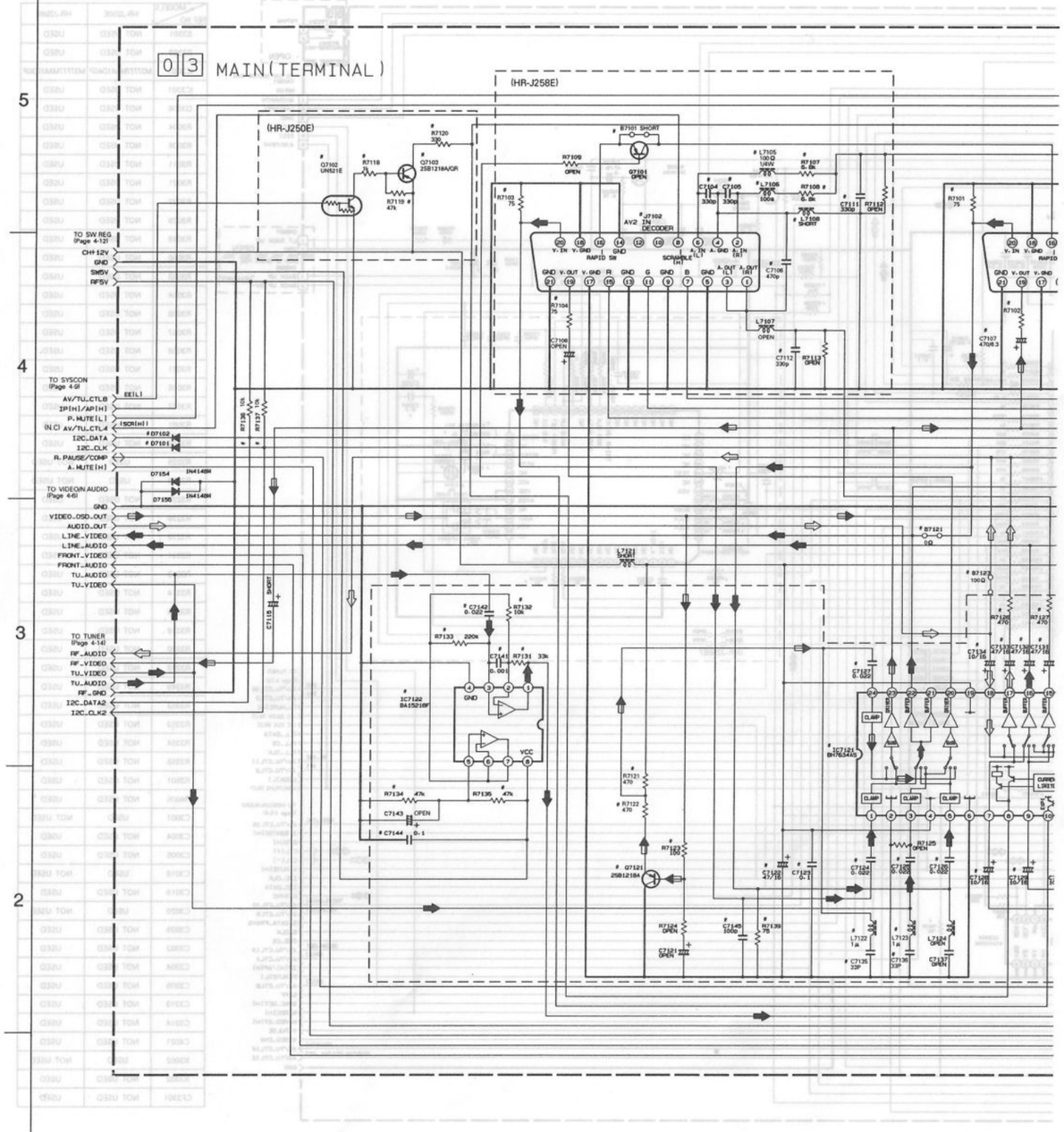


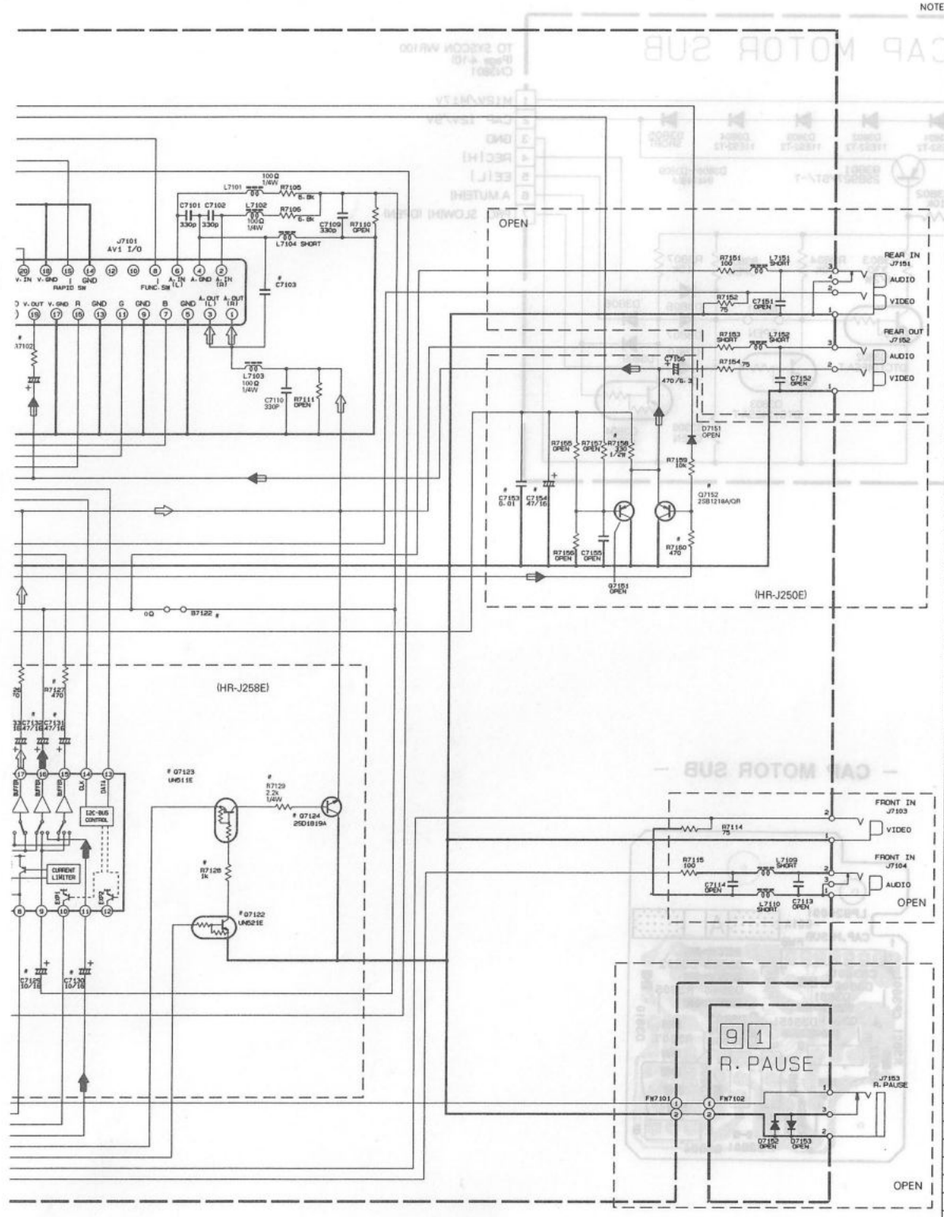


NOTE:COMPARISON CHART OF MODELS & MARK (#)

REF.NO \ MODELS	HR-J250E	HR-J258E
B3301	NOT USED	USED
B3303	NOT USED	USED
IC3001	M37777MAA1D4GP	M37777MAA1D2GP
IC3301	NOT USED	USED
Q3006	NOT USED	USED
R3004	NOT USED	USED
R3006	NOT USED	USED
R3011	NOT USED	USED
R3021	NOT USED	USED
R3022	NOT USED	USED
R3029	NOT USED	USED
R3049	NOT USED	USED
R3050	NOT USED	USED
R3053	NOT USED	USED
R3054	NOT USED	USED
R3055	NOT USED	USED
R3057	NOT USED	USED
R3058	NOT USED	USED
R3061	NOT USED	USED
R3065	NOT USED	USED
R3067	NOT USED	USED
R3081	NOT USED	USED
R3218	NOT USED	USED
R3225	USED	NOT USED
R3228	USED	NOT USED
R3229	NOT USED	USED
R3238	NOT USED	USED
R3239	NOT USED	USED
R3301	NOT USED	USED
R3313	NOT USED	USED
R3314	NOT USED	USED
R3326	NOT USED	USED
R3328	NOT USED	USED
R3330	NOT USED	USED
R3333	NOT USED	USED
R3349	NOT USED	USED
R3352	NOT USED	USED
R3353	NOT USED	USED
R3354	NOT USED	USED
R3355	NOT USED	USED
R3501	NOT USED	USED
R4005	NOT USED	USED
C3001	USED	NOT USED
C3004	NOT USED	USED
C3005	NOT USED	USED
C3018	USED	NOT USED
C3019	NOT USED	USED
C3020	USED	NOT USED
C3035	NOT USED	USED
C3303	NOT USED	USED
C3304	NOT USED	USED
C3305	NOT USED	USED
C3313	NOT USED	USED
C3314	NOT USED	USED
C4021	NOT USED	USED
X3002	USED	NOT USED
X3302	NOT USED	USED
CF3301	NOT USED	USED

4.8 TERMINAL SCHEMATIC DIAGRAM

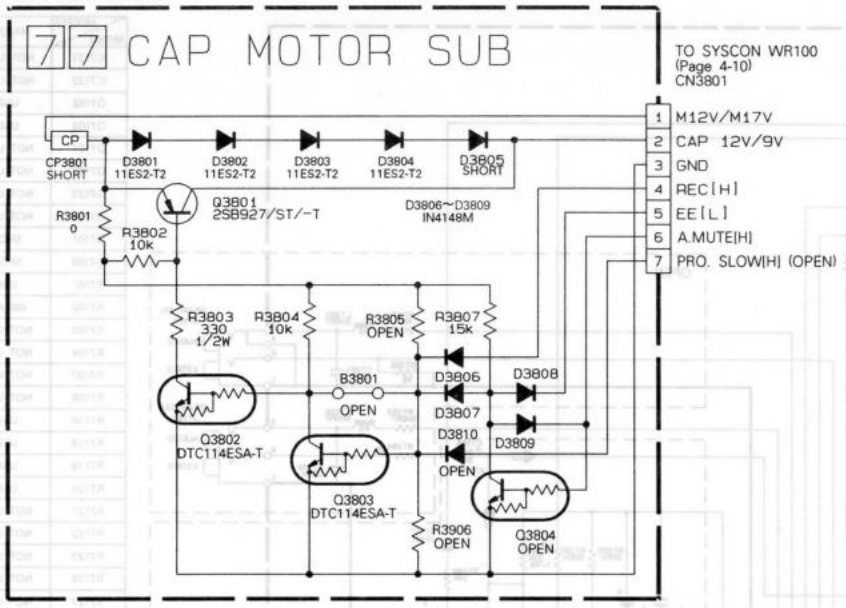




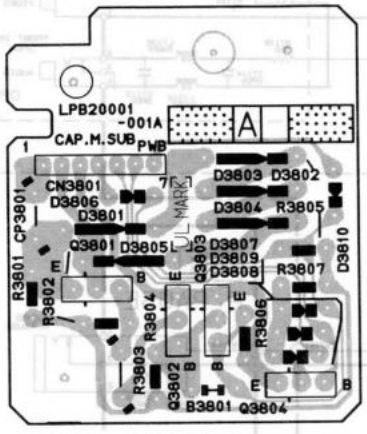
NOTE:COMPARISON CHART OF MODELS & MARK (#)

MODELS / REF.NO	HR-J250E	HR-J258E
IC7121	NOT USED	USED
IC7122	NOT USED	USED
Q7102	USED	NOT USED
Q7103	USED	NOT USED
Q7121	NOT USED	USED
Q7122	NOT USED	USED
Q7123	NOT USED	USED
Q7124	NOT USED	USED
D7101	SHORT	IN4148M
D7102	SHORT	IN4148M
R7101	USED	NOT USED
R7102	68(1/4W)	75(1/4W)
R7103	NOT USED	USED
R7104	NOT USED	USED
R7107	NOT USED	USED
R7108	NOT USED	USED
R7116	USED	NOT USED
R7118	USED	NOT USED
R7119	USED	NOT USED
R7120	USED	NOT USED
R7121	NOT USED	USED
R7122	NOT USED	USED
R7123	NOT USED	USED
R7126	NOT USED	USED
R7127	NOT USED	USED
R7128	NOT USED	USED
R7129	NOT USED	USED
R7131	NOT USED	USED
R7132	NOT USED	USED
R7133	NOT USED	USED
R7134	NOT USED	USED
R7135	NOT USED	USED
R7136	NOT USED	USED
R7137	NOT USED	USED
R7139	NOT USED	USED
R7158	USED	NOT USED
R7160	USED	NOT USED
Q7152	USED	NOT USED
B7101	NOT USED	USED
C7103	0. 001	470P
C7104	NOT USED	USED
C7105	NOT USED	USED
C7106	NOT USED	USED
C7107	470/6.3	SHORT
C7111	NOT USED	USED
C7112	NOT USED	USED
C7122	NOT USED	USED
C7123	NOT USED	USED
C7124	NOT USED	USED
C7125	NOT USED	USED
C7126	NOT USED	USED
C7127	NOT USED	USED
C7128	NOT USED	USED
C7129	NOT USED	USED
C7130	NOT USED	USED
C7131	NOT USED	USED
C7132	NOT USED	USED
C7133	NOT USED	USED
C7134	NOT USED	USED
C7135	NOT USED	USED
C7136	NOT USED	USED
C7141	NOT USED	USED
C7142	NOT USED	USED
C7144	NOT USED	USED
C7145	NOT USED	USED
C7153	USED	NOT USED
C7154	USED	NOT USED
L7105	NOT USED	USED
L7106	NOT USED	USED
L7107	NOT USED	USED
L7122	NOT USED	USED
L7123	NOT USED	USED
J7102	NOT USED	USED
L7108	OPEN	SHORT
B7121	USED	NOT USED
B7122	USED	NOT USED
B7123	USED	NOT USED

4.16 CAP.M.SUB SCHEMATIC DIAGRAM AND CIRCUIT BOARD



– CAP MOTOR SUB –



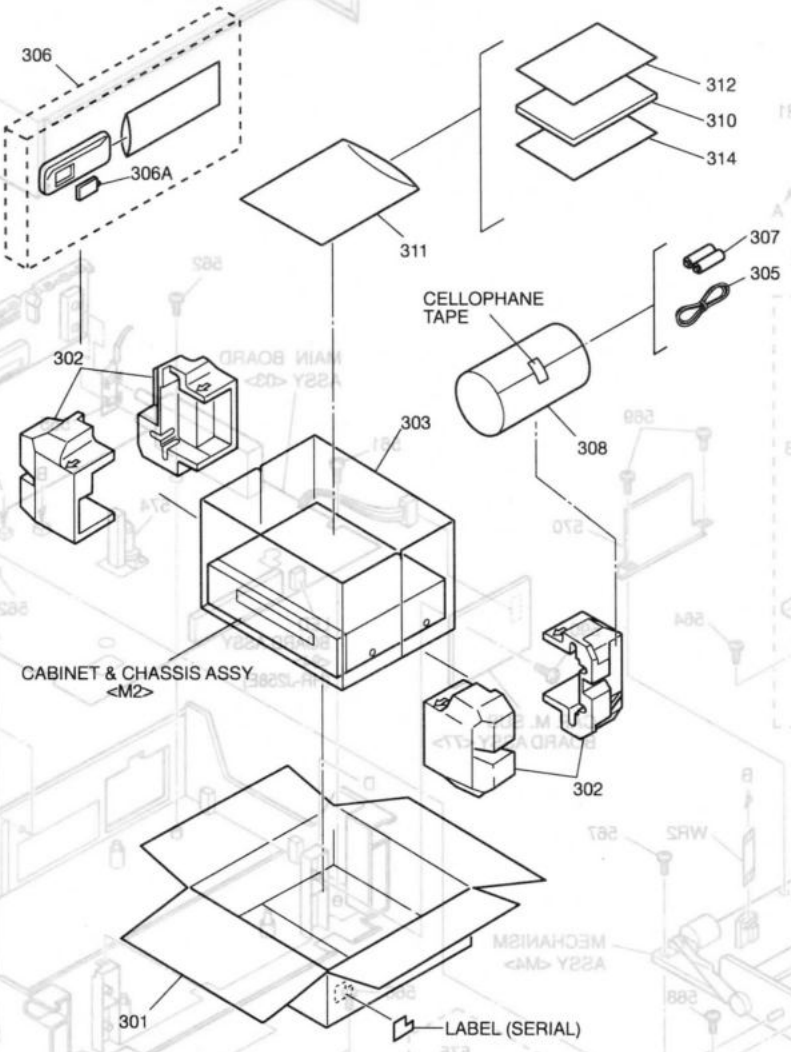
SECTION 5
PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.



#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

****

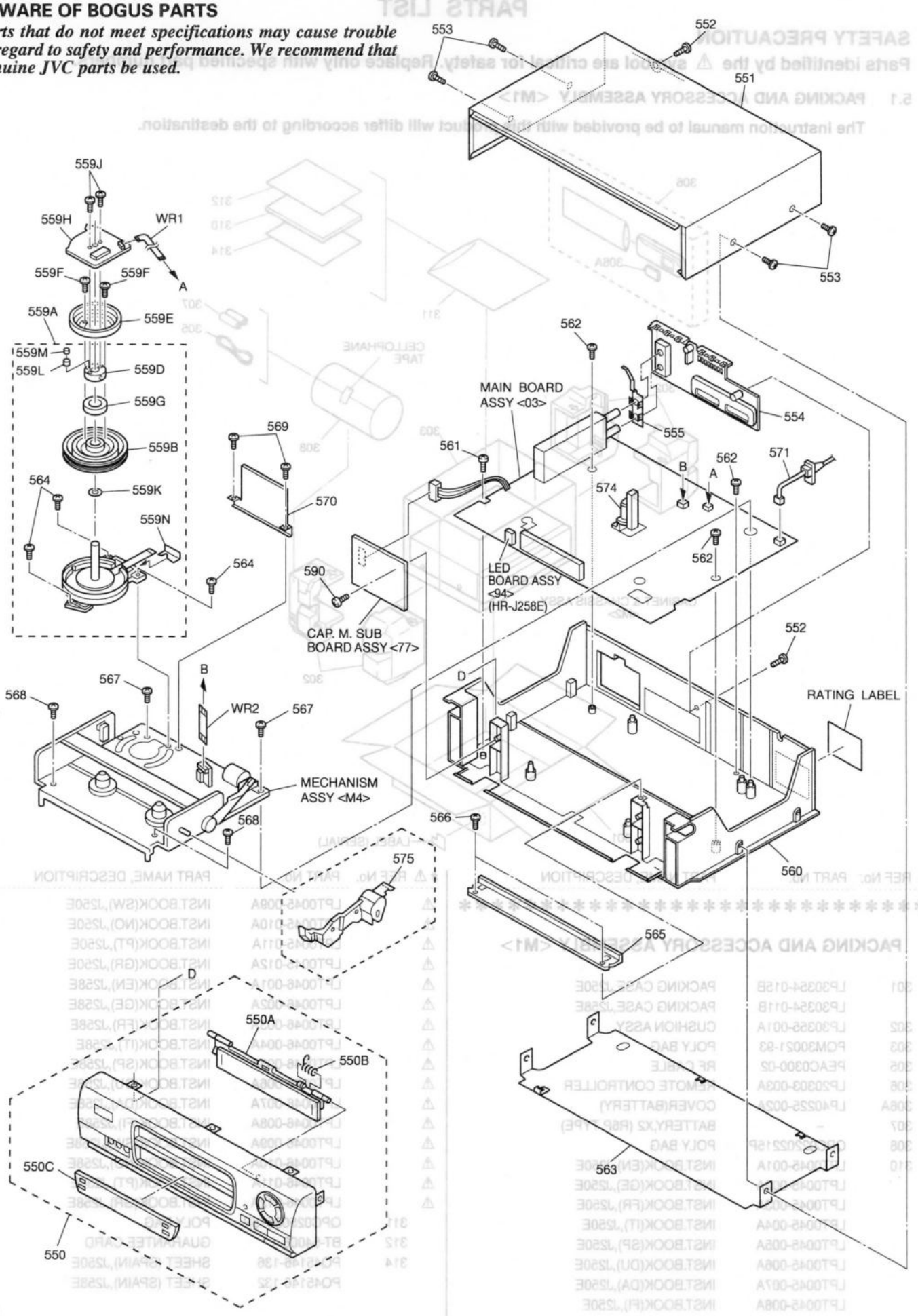
PACKING AND ACCESSORY ASSEMBLY <M1>

	301	LP30354-015B	PACKING CASE,J250E
		LP30354-011B	PACKING CASE,J258E
	302	LP30355-001A	CUSHION ASSY
	303	PQM30021-93	POLY BAG
	305	PEAC0300-02	RF CABLE
	306	LP20303-003A	REMOTE CONTROLLER
	306A	LP40225-002A	COVER(BATTERY)
	307	–	BATTERY,X2 (R6P TYPE)
	308	QPC02202215P	POLY BAG
⚠	310	LPT0045-001A	INST.BOOK(EN),J250E
⚠		LPT0045-002A	INST.BOOK(GE),J250E
⚠		LPT0045-003A	INST.BOOK(FR),J250E
⚠		LPT0045-004A	INST.BOOK(IT),J250E
⚠		LPT0045-005A	INST.BOOK(SP),J250E
⚠		LPT0045-006A	INST.BOOK(DU),J250E
⚠		LPT0045-007A	INST.BOOK(DA),J250E
⚠		LPT0045-008A	INST.BOOK(FI),J250E
⚠		LPT0045-009A	INST.BOOK(SW),J250E
⚠		LPT0045-010A	INST.BOOK(NO),J250E
⚠		LPT0045-011A	INST.BOOK(PT),J250E
⚠		LPT0045-012A	INST.BOOK(GR),J250E
⚠		LPT0046-001A	INST.BOOK(EN),J258E
⚠		LPT0046-002A	INST.BOOK(GE),J258E
⚠		LPT0046-003A	INST.BOOK(FR),J258E
⚠		LPT0046-004A	INST.BOOK(IT),J258E
⚠		LPT0046-005A	INST.BOOK(SP),J258E
⚠		LPT0046-006A	INST.BOOK(DU),J258E
⚠		LPT0046-007A	INST.BOOK(DA),J258E
⚠		LPT0046-008A	INST.BOOK(FI),J258E
⚠		LPT0046-009A	INST.BOOK(SW),J258E
⚠		LPT0046-010A	INST.BOOK(NO),J258E
⚠		LPT0046-011A	INST.BOOK(PT),J258E
⚠		LPT0046-012A	INST.BOOK(GR),J258E
	311	QPC02503515P	POLY BAG
	312	BT-54008-1	GUARANTEE CARD
	314	PQ45146-136	SHEET (SPAIN),J250E
		PQ45146-132	SHEET (SPAIN),J258E

5.2 CABINET AND CHASSIS ASSEMBLY <M2>

BEWARE OF BOGUS PARTS

Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.



#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

****

CABINET AND CHASSIS ASSEMBLY <M2>

	⚠	550	LP10119-007D	FRONT PANEL ASSY,J250E
	⚠		LP10119-005D	FRONT PANEL ASSY,J258E
		550A	PQ21884-57	CASSETTE DOOR
		550B	PQ46448	TORSION SPRING
		550C	LP20326-007A	DISPLAY WINDOW,J250E
			LP20326-005A	DISPLAY WINDOW,J258E
	⚠	551	LP10013-010A	TOP COVER
		552	QYTDSF3010M	SCREW,X2 TOP COVER(REAR)
		553	QYTDSF3010M	SCREW,X4 TOP COVER(SIDE)
	⚠	554	LP20317-003A	TERM.BOARD,J250E
			LP20317-005B	TERM.BOARD,J258E
		555	PQ21623-2	EARTH PLATE(RF)
		559A	LP20371-003A	DRUM SUB ASSY
		559B	LP20084-005A	UPPER DRUM ASSY
		559D	LP40028-001A	COLLAR ASSY
		559E	QAR0020-001	ROTOR ASSY
		559F	QYSPSP3006Z	SCREW,X2
		559G	PDM4439	CAP
		559H	QAR0021-001	STATOR ASSY
		559J	QYSPSP2606Z	SCREW,X2
		559K	PDM4444-19-2	WASHER
		559L	LP40323-001A	CONTACT
		559M	LP30004-005A	COMPRESS.SPRING
		559N	LP40174-001B	FPC PLATE
	⚠	560	LP10108-001A	BOTTOM CHASSIS
		561	QYTDSF3010Z	SCREW,MAIN
		562	DPSF3010Z	SCREW,X3 MAIN
	⚠	563	LP10014-002A	BOTTOM COVER
		564	QYTPST2608Z	SCREW,X3 DRUM
		565	LP30312-001A	BRACKET(CHASSIS)
		566	QYTDSF3010Z	SCREW,X2 BRACKET(CHASSIS)
		567	QYTDSF4012Z	SCREW,X2 MECHA
		568	QYTDSF3010Z	SCREW,X2 MECHA
		569	QYTDST2606Z	SCREW,X2 DRUM SHIELD
		570	LP30356-001A	DRUM SHIELD
	⚠	571	QMP4A10-170	POWER CORD,J250E/J258E
		574	LP40253-001B	STOPPER
		575	LP20324-002B	DOOR OPENER
		590	QYTDSF3010Z	SCREW,CAP.M.SUB BOARD
		WR1	QUQ212-0518CG	FFC WIRE,DRUM
		WR2	WJT0005-001A	E-CARD WIRE,A/C HEAD

⚠ REF No. PART No. PART NAME, DESCRIPTION

5.4 ELECTRICAL PARTS LIST

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION

****

MAIN BOARD ASSEMBLY <03>

	PW1	LPA10008-07C1	MAIN BOARD ASSY,HR-J258E
		LPA10008-08B1	MAIN BOARD ASSY,HR-J250E
	IC1	HA118211F	IC
		or HA118211AF	IC
	IC201	LC74788N-9705	IC (OSD),HR-J250E
		LC74799-9608	IC,HR-J258E
	IC3001	M37777MAA1D2GP	IC,HR-J258E
		M37777MAA1D4GP	IC,HR-J250E
	IC3002	TA7291S	IC
	IC3003	S-80727AN-Z	IC
		or S-80827ANY-T	IC
	IC3004	ST24C08FB6	IC
		or 24LC08B/P	IC
		or AT24C08-10PC	IC
	IC3301	M37471M8-705FP	IC,HR-J258E
	IC5301	LA5613	IC
	IC6080	BA15218F-XE	IC,HR-J258E
	IC7001	M35500BFP	IC
		or M35500AGP	IC
		or M35500BGP	IC
	IC7002	GP1U291Q	IR DETECT UNIT
		or PIC-21143LJ	IR DETECT UNIT
		or PNA4652M00YC	IR DETECT UNIT
	IC7121	BH7634AS	IC,HR-J258E
	IC7122	BA15218F-XE	IC,HR-J258E
	Q1	2SD1819A/QRS/-X	TRANSISTOR
		or 2PC4081/R/-X	TRANSISTOR
		or 2SC4081/QRS/-X	TRANSISTOR
	Q253	2SD1819A/QRS/-X	TRANSISTOR
		or 2SC4081/QRS/-X	TRANSISTOR
		or 2PC4081/R/-X	TRANSISTOR
	Q254	2SB1218A/QR/-X	TRANSISTOR
		or 2PA1576/R/-X	TRANSISTOR
		or 2SA1576A/QR/-X	TRANSISTOR
	Q2001	2SC4081/QRS/-X	TRANSISTOR
		or 2SD1819A/QRS/-X	TRANSISTOR
		or 2PC4081/R/-X	TRANSISTOR
	Q2002	2SC4081/QRS/-X	TRANSISTOR
		or 2PC4081/R/-X	TRANSISTOR
		or 2SD1819A/QRS/-X	TRANSISTOR
	Q2003	DTA144WU	TRANSISTOR
		or RN2309	TRANSISTOR
		or UN511E	TRANSISTOR
	Q2051	2SC4081/QRS/-X	TRANSISTOR
		or 2SD1819A/QRS/-X	TRANSISTOR
		or 2PC4081/R/-X	TRANSISTOR
	Q2052	2SA1576A/QR/-X	TRANSISTOR
		or 2PA1576/R/-X	TRANSISTOR
		or 2SB1218A/QR/-X	TRANSISTOR
	Q2053	DTC144WU	TRANSISTOR
		or RN1309	TRANSISTOR
		or UN521E	TRANSISTOR
	Q2054	2SA1576A/QR/-X	TRANSISTOR
		or 2PA1576/R/-X	TRANSISTOR
		or 2SB1218A/QR/-X	TRANSISTOR
	Q2055	DTC144WU	TRANSISTOR
		or RN1309	TRANSISTOR
		or UN521E	TRANSISTOR
	Q3001	PTZ-NV16	PHOTO TRANSISTOR
	Q3002	PTZ-NV16	PHOTO TRANSISTOR
	Q3003	2SD1819A/QRS/-X	TRANSISTOR
		or 2PC4081/R/-X	TRANSISTOR
		or 2SC4081/QRS/-X	TRANSISTOR
	Q3004	2SD1819A/QRS/-X	TRANSISTOR
		or 2SC4081/QRS/-X	TRANSISTOR
		or 2PC4081/R/-X	TRANSISTOR
	Q3006	UN521K	TRANSISTOR,HR-J258E
		or DTC114WU	TRANSISTOR
	Q4001	UN5211	TRANSISTOR
		or DTC114EU	TRANSISTOR
		or RN1302	TRANSISTOR
	Q4002	2SD1819A/QRS/-X	TRANSISTOR
		or 2SC4081/QRS/-X	TRANSISTOR
		or 2PC4081/R/-X	TRANSISTOR
	Q5101	2SK2632-CB14	FE TRANSISTOR
		or 2SK2129-LT	POWER MOS FET
		or 2SK2666F04	FE TRANSISTOR
	Q5102	2SD2144S/UV/-T	TRANSISTOR
	Q5303	2SB1256	TRANSISTOR,HR-J258E
	Q5306	2SD2144S/UVW/-T	TRANSISTOR
	Q5312	2SA1745/6-7/-X	TRANSISTOR,HR-J258E
	Q5313	UN5211	TRANSISTOR,HR-J258E
		or DTC114EU	TRANSISTOR
		or RN1302	TRANSISTOR
	Q5314	2SA1576A/RS/-X	TRANSISTOR,HR-J258E
		or 2SB1218A/RS/-X	TRANSISTOR
	Q5321	UN5111	TRANSISTOR,HR-J258E
		or RN2302	TRANSISTOR
		or DTA114EU	TRANSISTOR
	Q5322	2SD1450/ST/-T	TRANSISTOR,HR-J258E
		or 2SD1302/ST/-T	TRANSISTOR
	Q6001	2SC3068	TRANSISTOR
	Q6031	DTC114EU	TRANSISTOR,HR-J258E
		or RN1302	TRANSISTOR
		or UN5211	TRANSISTOR
	Q6032	DTC114EU	TRANSISTOR,HR-J258E
		or RN1302	TRANSISTOR
		or UN5211	TRANSISTOR
	Q7102	UN521E	TRANSISTOR,HR-J250E
		or RN1309	TRANSISTOR
		or DTC144WU	TRANSISTOR
	Q7103	2SB1218A/QR/-X	TRANSISTOR,HR-J250E
		or 2SA1576A/QR/-X	TRANSISTOR
		or 2PA1576/R/-X	TRANSISTOR
	Q7121	2SB1218A/QR/-X	TRANSISTOR
		or 2SA1576A/QR/-X	TRANSISTOR,HR-J258E
		or 2PA1576/R/-X	TRANSISTOR
	Q7122	UN521E	TRANSISTOR,HR-J258E
		or RN1309	TRANSISTOR
		or DTC144WU	TRANSISTOR
	Q7123	UN511E	TRANSISTOR,HR-J258E
		or RN2309	TRANSISTOR
		or DTA144WU	TRANSISTOR
	Q7124	2SD1819A/QRS/-X	TRANSISTOR,HR-J258E
		or 2SC4081/QRS/-X	TRANSISTOR
		or 2PC4081/R/-X	TRANSISTOR
	Q7152	2SB1218A/QR/-X	TRANSISTOR,HR-J250E
		or 2PA1576/R/-X	TRANSISTOR

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
		or 2SA1576A/QR/-X	TRANSISTOR
	D201	1N4148M	DIODE,HR-J250E
		or 1SS133	DIODE
		1N4148M	DIODE
		or 1SS133	DIODE
	D206	1N4148M	DIODE
		or 1SS133	DIODE
	D2001	1N4148M	DIODE
		or 1SS133	DIODE
	D3001	LNB2301L01VI	LE DIODE
	D3002	1N4148M	DIODE
		or 1SS133	DIODE
	D3004	11ES2	DIODE
	D3005	11ES2	DIODE
	D3006	RD39ES/B3/-T2	ZENER DIODE
		or UZ39BSC	ZENER DIODE
		or MTZJ39C	ZENER DIODE
	D3009	1N4148M	DIODE
		or 1SS133	DIODE
	D3010	1N4148M	DIODE
		or 1SS133	DIODE
	D4003	1N4148M	DIODE
		or 1SS133	DIODE
	D4004	1N4148M	DIODE
		or 1SS133	DIODE
	D5001	S1WB(A)60F4102	BRIDGE DIODE
		or S1WB(A)60F4062X	BRIDGE DIODE
		or S1WB(A)60F4072X	BRIDGE DIODE
	D5101	AU01	FR DIODE
		or ERA18-04-T2	FR DIODE
		or 1SR153-400-T2	FR DIODE
		or 10ELS4	FR DIODE
		or PG104RS	FR DIODE
	D5102	AU01	FR DIODE
		or ERA18-04-T2	FR DIODE
		or 1SR153-400-T2	FR DIODE
		or 10ELS4	FR DIODE
		or PG104RS	FR DIODE
	D5103	1N4148M	DIODE
		or 1SS133	DIODE
	D5105	1N4148M	DIODE,HR-J258E
		or 1SS133	DIODE
	D5201	ERA18-02-T2	FR DIODE
		or 1SR153-200-T2	FR DIODE
	D5203	AU01Z	FR DIODE
		or ERA18-02-T2	FR DIODE
		or 1SR153-200-T2	FR DIODE
		or 10ELS2	FR DIODE
		or PG104RS	FR DIODE
	D5204	AU01Z	FR DIODE
		or ERA18-02-T2	FR DIODE
		or 10ELS2	FR DIODE
		or 1SR153-200-T2	FR DIODE
		or PG104RS	FR DIODE
	D5205	AU01Z	FR DIODE
		or ERA18-02-T2	FR DIODE
		or 1SR153-200-T2	FR DIODE
		or 10ELS2	FR DIODE
		or PG104RS	FR DIODE
	D5210	AU01Z	FR DIODE
		or ERA18-02-T2	FR DIODE

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		or 1SR153-200-T2	FR DIODE	
		or 10ELS2	FR DIODE	
		or PG104RS	FR DIODE	
	D5211	AU01Z	FR DIODE	
		or ERA18-02-T2	FR DIODE	
		or 10ELS2	FR DIODE	
		or 1SR153-200-T2	FR DIODE	
		or PG104RS	FR DIODE	
	D5212	21DQ04	BARRIER DIODE	
		or RK14LF-B2	BARRIER DIODE	
	D5301	UZ15BSA	ZENER DIODE	
		or MTZJ15A	ZENER DIODE	
		or RD15ES/B1/-T2	ZENER DIODE	
	D5304	1N4148M	DIODE	
		or 1SS133	DIODE	
	D5305	UZ30BSA	ZENER DIODE	
		or RD30ES/B1/-T2	ZENER DIODE	
		or MTZJ30A	ZENER DIODE	
	D5306	UZ6.8BSA	ZENER DIODE	
		or RD6.8ES/B1/-T2	ZENER DIODE	
		or MTZJ6.8A	ZENER DIODE	
	D5308	1N4148M	DIODE,HR-J258E	
		or 1SS133	DIODE	
	D5318	1N4148M	DIODE,HR-J258E	
		or 1SS133	DIODE	
	D5319	1N4148M	DIODE,HR-J258E	
		or 1SS133	DIODE	
	D6001	MTZJ10B	ZENER DIODE	
	D6002	HZ30-2L-T2	ZENER DIODE	
		or HZ30-2LTD	Z DIODE (M)	
	D7002	RD9.1ES/B2/-T2	ZENER DIODE	
		or MTZJ9.1B	ZENER DIODE	
		or UZ9.1BSB	ZENER DIODE	
	D7008	1N4148M	DIODE,HR-J258E	
		or 1SS133	DIODE	
	D7101	1N4148M	DIODE,HR-J250E	
		or 1SS133	DIODE	
	D7102	1N4148M	DIODE,HR-J250E	
		or 1SS133	DIODE	
	D7154	1N4148M	DIODE	
		or 1SS133	DIODE	
	D7155	1N4148M	DIODE	
		or 1SS133	DIODE	
	R1	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
	R2	NRSA02J-391X	MG RESISTOR	390Ω,1/10W
	R3	NRSA02J-273X	MG RESISTOR	27kΩ,1/10W
	R4	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
	R5	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
	R6	NRSA02J-182X	MG RESISTOR	1.8kΩ,1/10W
	R15	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
	R19	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
	R21	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
	R23	NRSA02J-682X	MG RESISTOR	6.8kΩ,1/10W
	R24	NRSA02J-682X	MG RESISTOR	6.8kΩ,1/10W
	R25	NRSA02J-152X	MG RESISTOR	1.5kΩ,1/10W
	R136	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
	R204	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
	R205	NRSA02J-103X	MG RESISTOR,HR-J250E	10kΩ,1/10W
	R206	NRSA02J-103X	MG RESISTOR,HR-J250E	10kΩ,1/10W
	R208	NRSA02J-0R0X	MG RESISTOR,HR-J258E	0Ω,1/10W
		NRSA02J-222X	MG RESISTOR,HR-J250E	2.2kΩ,1/10W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R211	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R252	NRSA02J-123X	MG RESISTOR,HR-J258E	12kΩ,1/10W
R253	NRSA02J-182X	MG RESISTOR,HR-J258E	1.8kΩ,1/10W
R254	NRSA02J-562X	MG RESISTOR,HR-J258E	5.6kΩ,1/10W
R255	NRSA02J-182X	MG RESISTOR,HR-J258E	1.8kΩ,1/10W
R258	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R259	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
	NRSA02J-331X	MG RESISTOR,HR-J250E	330Ω,1/10W
R260	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R261	NRSA02J-681X	MG RESISTOR	680Ω,1/10W
R2001	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R2002	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R2003	NRSA02J-682X	MG RESISTOR	6.8kΩ,1/10W
R2004	NRSA02J-224X	MG RESISTOR	220kΩ,1/10W
R2005	NRSA02J-121X	MG RESISTOR	120Ω,1/10W
R2006	NRSA02J-273X	MG RESISTOR	27kΩ,1/10W
R2007	QRE141J-223Y	RESISTOR	22kΩ,1/4W
R2009	NRSA02J-0R0X	MG RESISTOR,HR-J250E	0Ω,1/10W
R2013	NRSA02J-393X	MG RESISTOR	39kΩ,1/10W
R2014	NRSA02J-183X	MG RESISTOR	18kΩ,1/10W
R2015	QRE141J-472Y	RESISTOR	4.7kΩ,1/4W
R2016	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R2018	NRSA02J-472X	MG RESISTOR	4.7kΩ,1/10W
R2019	NRSA02J-472X	MG RESISTOR	4.7kΩ,1/10W
R2053	NRSA02J-822X	MG RESISTOR	8.2kΩ,1/10W
R2054	NRSA02J-123X	MG RESISTOR	12kΩ,1/10W
R2055	NRSA02J-3R3X	MG RESISTOR	3.3Ω,1/10W
R2056	QRE141J-820Y	RESISTOR	82Ω,1/4W
R2057	NRSA02J-473X	MG RESISTOR	47kΩ,1/10W
R2058	NRSA02J-183X	MG RESISTOR	18kΩ,1/10W
R2059	NRSA02J-473X	MG RESISTOR	47kΩ,1/10W
R2060	NRSA02J-183X	MG RESISTOR	18kΩ,1/10W
R3001	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3002	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3004	QRE141J-102Y	RESISTOR,HR-J258E	1kΩ,1/4W
R3005	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3006	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3007	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R3010	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3011	NRSA02J-104X	MG RESISTOR,HR-J258E	100kΩ,1/10W
R3013	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3014	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3015	NRSA02J-221X	MG RESISTOR	220Ω,1/10W
R3016	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3017	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3021	NRSA02J-104X	MG RESISTOR,HR-J258E	100kΩ,1/10W
R3022	NRSA02J-104X	MG RESISTOR,HR-J258E	100kΩ,1/10W
R3023	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3026	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3027	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3029	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3030	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3031	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3032	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3033	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3044	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3045	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3046	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3047	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3048	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R3049	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R3050	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3052	NRSA02J-221X	MG RESISTOR	220Ω,1/10W
R3053	QRE141J-102Y	RESISTOR,HR-J258E	1kΩ,1/4W
R3054	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3055	QRE141J-102Y	RESISTOR,HR-J258E	1kΩ,1/4W
R3057	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3058	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3061	QRE141J-102Y	RESISTOR,HR-J258E	1kΩ,1/4W
R3062	NRSA02J-221X	MG RESISTOR	220Ω,1/10W
R3064	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R3065	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3066	QRE141J-102Y	RESISTOR,HR-J258E	1kΩ,1/4W
R3067	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3068	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R3069	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R3070	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R3071	NRSA02J-221X	MG RESISTOR	220Ω,1/10W
R3072	NRSA02J-221X	MG RESISTOR	220Ω,1/10W
R3073	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3076	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3079	QRE141J-102Y	RESISTOR	1kΩ,1/4W
R3080	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3081	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3082	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3100	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3201	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R3202	NRSA02J-472X	MG RESISTOR	4.7kΩ,1/10W
R3203	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R3204	NRSA02J-222X	MG RESISTOR	2.2kΩ,1/10W
R3205	QRE141J-562Y	RESISTOR	5.6kΩ,1/4W
R3206	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R3207	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R3208	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R3209	QRE141J-181Y	RESISTOR	180Ω,1/4W
R3210	NRSA02J-183X	MG RESISTOR	18kΩ,1/10W
R3211	NRSA02J-183X	MG RESISTOR	18kΩ,1/10W
R3212	NRSA02J-181X	MG RESISTOR	180Ω,1/10W
R3213	NRSA02J-273X	MG RESISTOR	27kΩ,1/10W
R3214	NRSA02J-181X	MG RESISTOR	180Ω,1/10W
R3215	NRSA02J-273X	MG RESISTOR	27kΩ,1/10W
R3216	QRE141J-474Y	RESISTOR	470kΩ,1/4W
R3217	NRSA02J-334X	MG RESISTOR	330kΩ,1/10W
R3218	NRSA02J-103X	MG RESISTOR,HR-J258E	10kΩ,1/10W
R3219	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R3220	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R3222	NRSA02J-472X	MG RESISTOR	4.7kΩ,1/10W
R3223	NRSA02J-105X	MG RESISTOR	1MΩ,1/10W
R3224	NRSA02J-101X	MG RESISTOR	100Ω,1/10W
R3225	NRSA02J-475X	MG RESISTOR,HR-J250E	4.7MΩ,1/10W
R3226	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R3227	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R3228	NRSA02J-104X	MG RESISTOR,HR-J250E	100kΩ,1/10W
R3229	NRSA02J-104X	MG RESISTOR,HR-J258E	100kΩ,1/10W
R3232	NRSA02J-104X	MG RESISTOR	100kΩ,1/10W
R3233	NRSA02J-472X	MG RESISTOR	4.7kΩ,1/10W
R3234	QRE141J-472Y	RESISTOR	4.7kΩ,1/4W
R3238	NRSA02J-103X	MG RESISTOR,HR-J258E	10kΩ,1/10W
R3239	QRE141J-103Y	RESISTOR,HR-J258E	10kΩ,1/4W
R3301	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3313	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3314	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R3326	NRSA02J-0R0X	MG RESISTOR,HR-J258E	0Ω,1/10W
R3328	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3330	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3333	QRE141J-103Y	RESISTOR,HR-J258E	10kΩ,1/4W
R3349	NRSA02J-103X	MG RESISTOR,HR-J258E	10kΩ,1/10W
R3352	NRSA02J-103X	MG RESISTOR,HR-J258E	10kΩ,1/10W
R3353	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3354	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3355	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R3501	NRSA02J-105X	MG RESISTOR,HR-J258E	1MΩ,1/10W
R4001	NRSA02J-222X	MG RESISTOR	2.2kΩ,1/10W
R4002	NRSA02J-223X	MG RESISTOR	22kΩ,1/10W
R4004	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R4005	NRSA02J-104X	MG RESISTOR,HR-J258E	100kΩ,1/10W
R4006	NRSA02J-392X	MG RESISTOR	3.9kΩ,1/10W
R4007	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R4009	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R4010	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R4011	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R4012	NRSA02J-153X	MG RESISTOR	15kΩ,1/10W
R4013	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R4018	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R4019	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R4020	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R4021	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R4022	NRSA02J-472X	MG RESISTOR	4.7kΩ,1/10W
R4025	NRSA02J-472X	MG RESISTOR	4.7kΩ,1/10W
R4026	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R4027	NRSA02J-222X	MG RESISTOR	2.2kΩ,1/10W
R5101	QRE141J-334Y	RESISTOR	330kΩ,1/4W
R5102	QRE141J-334Y	RESISTOR	330kΩ,1/4W
R5103	QRE141J-683Y	RESISTOR	68kΩ,1/4W
R5104	QRG029J-154G	OMF RESISTOR	150kΩ,2W
R5106	QRT01DJ-R39X	MF RESISTOR	0.39Ω,1W
R5107	QRE121J-331Y	RESISTOR	330Ω,1/2W
R5108	NRSA02J-222X	MG RESISTOR	2.2kΩ,1/10W
R5109	NRSA02J-681X	MG RESISTOR	680Ω,1/10W
R5110	NRSA02J-224X	MG RESISTOR	220kΩ,1/10W
R5111	NRSA02J-821X	MG RESISTOR	820Ω,1/10W
R5112	NRSA02J-221X	MG RESISTOR,HR-J258E	220Ω,1/10W
R5301	NRSA02J-5R6X	MG RESISTOR	5.6Ω,1/10W
R5302	NRSA02J-5R6X	MG RESISTOR	5.6Ω,1/10W
R5303	NRSA02J-5R6X	MG RESISTOR	5.6Ω,1/10W
R5304	QRE141J-5R6Y	RESISTOR,HR-J258E	5.6Ω,1/4W
	QRE141J-8R2Y	RESISTOR,HR-J250E	8.2Ω,1/4W
R5305	QRE141J-102Y	RESISTOR	1kΩ,1/4W
R5306	NRSA02J-333X	MG RESISTOR	33kΩ,1/10W
R5307	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R5310	NRSA02J-472X	MG RESISTOR,HR-J258E	4.7kΩ,1/10W
R5311	NRSA02J-222X	MG RESISTOR,HR-J258E	2.2kΩ,1/10W
R5312	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R5313	NRSA02J-122X	MG RESISTOR	1.2kΩ,1/10W
⚠ R5314	QRZ9005-221X	FUSI RESISTOR	220Ω,1/4W
R5319	QRE141J-511Y	RESISTOR	510Ω,1/4W
R5320	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R5335	NRSA02J-472X	MG RESISTOR,HR-J258E	4.7kΩ,1/10W
R5336	NRSA02J-222X	MG RESISTOR,HR-J258E	2.2kΩ,1/10W
R5337	QRE141J-222Y	RESISTOR,HR-J258E	2.2kΩ,1/4W
R5338	NRSA02J-273X	MG RESISTOR,HR-J258E	27kΩ,1/10W
R5339	NRSA02J-273X	MG RESISTOR,HR-J258E	27kΩ,1/10W
R5350	NRSA02J-221X	MG RESISTOR,HR-J258E	220Ω,1/10W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R5351	NRSA02J-473X	MG RESISTOR,HR-J258E	47kΩ,1/10W
R5352	NRSA02J-473X	MG RESISTOR,HR-J258E	47kΩ,1/10W
R6001	NRSA02J-271X	MG RESISTOR	270Ω,1/10W
R6002	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R6020	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R6021	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R6022	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R6023	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R6032	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R6051	NRSA02J-101X	MG RESISTOR	100Ω,1/10W
R6052	NRSA02J-101X	MG RESISTOR	100Ω,1/10W
R6053	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R6054	NRSA02J-102X	MG RESISTOR	1kΩ,1/10W
R6084	NRSA02J-682X	MG RESISTOR,HR-J258E	6.8kΩ,1/10W
R6085	NRSA02J-103X	MG RESISTOR,HR-J258E	10kΩ,1/10W
R7001	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R7002	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R7003	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R7004	NRSA02J-471X	MG RESISTOR	470Ω,1/10W
R7005	QRE141J-103Y	RESISTOR	10kΩ,1/4W
R7006	QRE141J-103Y	RESISTOR	10kΩ,1/4W
R7007	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R7008	QRE141J-103Y	RESISTOR	10kΩ,1/4W
R7013	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R7014	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R7015	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R7016	NRSA02J-331X	MG RESISTOR	330Ω,1/10W
R7020	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R7021	NRSA02J-122X	MG RESISTOR	1.2kΩ,1/10W
R7022	NRSA02J-182X	MG RESISTOR	1.8kΩ,1/10W
R7023	NRSA02J-222X	MG RESISTOR	2.2kΩ,1/10W
R7024	NRSA02J-272X	MG RESISTOR	2.7kΩ,1/10W
R7025	NRSA02J-472X	MG RESISTOR	4.7kΩ,1/10W
R7026	NRSA02J-682X	MG RESISTOR	6.8kΩ,1/10W
R7027	NRSA02J-153X	MG RESISTOR	15kΩ,1/10W
R7028	NRSA02J-393X	MG RESISTOR	39kΩ,1/10W
R7030	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R7031	NRSA02J-122X	MG RESISTOR	1.2kΩ,1/10W
R7032	NRSA02J-182X	MG RESISTOR	1.8kΩ,1/10W
R7033	QRE141J-222Y	RESISTOR	2.2kΩ,1/4W
R7034	NRSA02J-272X	MG RESISTOR	2.7kΩ,1/10W
R7035	NRSA02J-472X	MG RESISTOR	4.7kΩ,1/10W
R7036	NRSA02J-682X	MG RESISTOR	6.8kΩ,1/10W
R7037	NRSA02J-153X	MG RESISTOR	15kΩ,1/10W
R7038	NRSA02J-393X	MG RESISTOR	39kΩ,1/10W
R7054	NRSA02J-103X	MG RESISTOR	10kΩ,1/10W
R7101	NRSA02J-750X	MG RESISTOR,HR-J250E	75Ω,1/10W
R7102	QRE141J-680Y	RESISTOR,HR-J250E	68Ω,1/4W
	QRE141J-750Y	RESISTOR,HR-J258E	75Ω,1/4W
R7103	NRSA02J-750X	MG RESISTOR,HR-J258E	75Ω,1/10W
R7104	NRSA02J-750X	MG RESISTOR,HR-J258E	75Ω,1/10W
R7105	NRSA02J-682X	MG RESISTOR	6.8kΩ,1/10W
R7106	NRSA02J-682X	MG RESISTOR	6.8kΩ,1/10W
R7107	NRSA02J-682X	MG RESISTOR,HR-J258E	6.8kΩ,1/10W
R7108	NRSA02J-682X	MG RESISTOR,HR-J258E	6.8kΩ,1/10W
R7116	QRE141J-101Y	RESISTOR,HR-J250E	100Ω,1/4W
R7118	NRSA02J-102X	MG RESISTOR,HR-J250E	1kΩ,1/10W
R7119	NRSA02J-473X	MG RESISTOR,HR-J250E	47kΩ,1/10W
R7120	QRE121J-331Y	RESISTOR,HR-J250E	330Ω,1/2W
R7121	NRSA02J-471X	MG RESISTOR,HR-J258E	470Ω,1/10W
R7122	NRSA02J-471X	MG RESISTOR,HR-J258E	470Ω,1/10W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R7123	NRSA02J-101X	MG RESISTOR,HR-J258E	100Ω,1/10W
R7126	NRSA02J-471X	MG RESISTOR,HR-J258E	470Ω,1/10W
R7127	NRSA02J-471X	MG RESISTOR,HR-J258E	470Ω,1/10W
R7128	NRSA02J-102X	MG RESISTOR,HR-J258E	1kΩ,1/10W
R7129	QRE141J-222Y	RESISTOR,HR-J258E	2.2kΩ,1/4W
R7131	NRSA02J-333X	MG RESISTOR,HR-J258E	33kΩ,1/10W
R7132	NRSA02J-103X	MG RESISTOR,HR-J258E	10kΩ,1/10W
R7133	NRSA02J-224X	MG RESISTOR,HR-J258E	220kΩ,1/10W
R7134	NRSA02J-473X	MG RESISTOR,HR-J258E	47kΩ,1/10W
R7135	NRSA02J-473X	MG RESISTOR,HR-J258E	47kΩ,1/10W
R7136	NRSA02J-103X	MG RESISTOR,HR-J258E	10kΩ,1/10W
R7137	NRSA02J-103X	MG RESISTOR,HR-J258E	10kΩ,1/10W
R7139	NRSA02J-750X	MG RESISTOR,HR-J258E	75Ω,1/10W
R7158	QRE121J-331Y	RESISTOR,HR-J250E	330Ω,1/2W
R7160	NRSA02J-0R0X	MG RESISTOR,HR-J250E	0Ω,1/10W
C1	QEKC1CM-106	E CAPACITOR	10μF,16V
C7	QEKC0JM-476	E CAPACITOR	47μF,6.3V
C8	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
C9	NCF21CZ-105X	CAPACITOR	1μF,16V
C10	NCF21CZ-105X	CAPACITOR	1μF,16V
C11	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
C12	NCB21EK-104X	CAPACITOR	0.1μF,25V
C13	QEKJ1HM-335	E CAPACITOR	3.3μF,50V
C14	NCB21EK-333X	CAPACITOR	0.033μF,25V
C16	NCF21CZ-105X	CAPACITOR	1μF,16V
C20	QEKJ1HM-225	E CAPACITOR	2.2μF,50V
C21	NCB21EK-104X	CAPACITOR	0.1μF,25V
C23	NCB21EK-223X	CAPACITOR	0.022μF,25V
C24	NCB21CK-474X	CAPACITOR	0.47μF,16V
C25	NCB21CK-224X	CAPACITOR	0.22μF,16V
C27	NCF21HZ-103X	CAPACITOR	0.01μF,50V
C29	QEKJ1EM-475	E CAPACITOR	4.7μF,25V
C31	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
C32	NCB21HK-103X	CAPACITOR	0.01μF,50V
C34	NCB21EK-104X	CAPACITOR	0.1μF,25V
C35	NCF21HZ-103X	CAPACITOR	0.01μF,50V
C37	QEKC0JM-107	E CAPACITOR	100μF,6.3V
C41	NCB21EK-104X	CAPACITOR	0.1μF,25V
C42	QDYB1CM-103Y	CAPACITOR	0.01μF,16V
C43	NCF21HZ-103X	CAPACITOR	0.01μF,50V
C45	NCB21EK-104X	CAPACITOR	0.1μF,25V
C47	NCB21HK-103X	CAPACITOR	0.01μF,50V
C48	QEKJ0JM-476	E CAPACITOR	47μF,6.3V
C49	NDC21HJ-331X	CAPACITOR	330pF,50V
C51	QEQF1HM-105	NP E CAPACITOR,HR-J250E	1μF,50V
	QEQF1HM-225	NP E CAPACITOR,HR-J258E	2.2μF,50V
C53	QEKJ1HM-105	E CAPACITOR,HR-250E	1μF,50V
C54	QEKJ1HM-225	E CAPACITOR	2.2μF,50V
C55	QEKC1CM-106	E CAPACITOR	10μF,16V
C56	QEKJ1HM-335	E CAPACITOR	3.3μF,50V
C57	NCB21EK-104X	CAPACITOR	0.1μF,25V
C58	NCB21EK-104X	CAPACITOR	0.1μF,25V
C59	NCB21EK-104X	CAPACITOR	0.1μF,25V
C60	NCB21CK-474X	CAPACITOR	0.47μF,16V
C61	NDC21HJ-330X	CAPACITOR	33pF,50V
C62	NCB21EK-104X	CAPACITOR	0.1μF,25V
C63	NDC21HJ-151X	CAPACITOR	150pF,50V
C64	QEKJ0JM-476	E CAPACITOR	47μF,6.3V
C65	NCB21EK-393X	CAPACITOR	0.039μF,25V
C83	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
C84	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C101	NDC21HJ-100X	CAPACITOR	10pF,50V
C107	NDC21HJ-5R0X	CAPACITOR	5pF,50V
C108	NCB21EK-563X	CAPACITOR	0.056μF,25V
C133	QCC11EK-223	CAPACITOR	0.022μF,25V
C134	NCB21EK-104X	CAPACITOR	0.1μF,25V
C135	NCB21EK-104X	CAPACITOR	0.1μF,25V
C136	NCB11EK-104X	CAPACITOR	0.1μF,25V
C152	NCF21HZ-103X	CAPACITOR	0.01μF,50V
C201	NCF21HZ-103X	CAPACITOR,HR-J250E	0.01μF,50V
	NDC21HJ-100X	CAPACITOR,HR-J258E	10pF,50V
C203	NDC21HJ-330X	CAPACITOR,HR-J250E	33pF,50V
C204	NDC21HJ-330X	CAPACITOR,HR-J250E	33pF,50V
C207	NCB21CK-224X	CAPACITOR	0.22μF,16V
C209	NCB21CK-224X	CAPACITOR	0.22μF,16V
C211	QEKJ1HM-105	E CAPACITOR	1μF,50V
C213	QEKJ1HM-105	E CAPACITOR	1μF,50V
C215	QERF0JM-107	E CAPACITOR	100μF,6.3V
C251	NCB21EK-104X	CAPACITOR,HR-J258E	0.1μF,25V
C252	QEKJ1EM-475	E CAPACITOR,HR-J258E	4.7μF,25V
C253	NCB21CK-224X	CAPACITOR,HR-J258E	0.22μF,16V
C254	QEKJ0JM-227	E CAPACITOR,HR-J258E	220μF,6.3V
C255	NCB21EK-333X	CAPACITOR,HR-J258E	0.033μF,25V
C256	QEKJ1EM-475	E CAPACITOR,HR-J258E	4.7μF,25V
C258	NDC21HJ-560X	CAPACITOR	56pF,50V
C260	QERF0JM-107	E CAPACITOR,HR-J258E	100μF,6.3V
C289	NCB21EK-104X	CAPACITOR	0.1μF,25V
C2002	QEKJ1CM-476	E CAPACITOR	47μF,16V
C2003	NCB21HK-123X	CAPACITOR	0.012μF,50V
C2004	QEKJ1CM-226	E CAPACITOR	22μF,16V
C2005	NCB21HK-102X	CAPACITOR	0.001μF,50V
C2006	NCB21HK-331X	CAPACITOR	330pF,50V
C2007	QEKJ1CM-106	E CAPACITOR	10μF,16V
C2009	QEKJ1EM-475	E CAPACITOR	4.7μF,25V
C2010	QEKJ1EM-475	E CAPACITOR	4.7μF,25V
C2011	NCB21EK-333X	CAPACITOR,HR-J250E	0.033μF,25V
C2013	NCB21EK-333X	CAPACITOR	0.033μF,25V
C2015	QEKJ1CM-226	E CAPACITOR	22μF,16V
C2016	QEKJ1EM-475	E CAPACITOR	4.7μF,25V
C2051	NCB21HK-331X	CAPACITOR	330pF,50V
C2052	QFN31HJ-823	F CAPACITOR	0.082μF,50V
C2053	NCB21HK-472X	CAPACITOR	0.0047μF,50V
C2054	NCB21CK-223X	CAPACITOR	0.022μF,16V
C2055	QEKJ1CM-106	E CAPACITOR	10μF,16V
C3001	NCB21EK-104X	CAPACITOR,HR-J250E	0.1μF,25V
C3002	NCB21HK-103X	CAPACITOR	0.01μF,50V
C3003	QEKJ1HM-106	E CAPACITOR	10μF,50V
C3004	NCB21EK-104X	CAPACITOR,HR-J258E	0.1μF,25V
C3005	NCB21EK-104X	CAPACITOR,HR-J258E	0.1μF,25V
C3013	QEKJ1CM-106	E CAPACITOR	10μF,16V
C3015	NCB21HK-103X	CAPACITOR	0.01μF,50V
C3016	NDC21HJ-180X	CAPACITOR	18pF,50V
C3017	NDC21HJ-100X	CAPACITOR	10pF,50V
C3018	QAT7001-300Z	TRIM CAPACITOR,HR-J250E	
C3019	NRSA02J-0R0X	MG RESISTOR,HR-J258E	0Ω,1/10W
C3020	NDC21HJ-330X	CAPACITOR,HR-J250E	33pF,50V
C3021	NCB21EK-104X	CAPACITOR	0.1μF,25V
C3023	NCB21HK-103X	CAPACITOR	0.01μF,50V
C3024	QEKJ0JM-476	E CAPACITOR	47μF,6.3V
C3025	NCB21HK-103X	CAPACITOR	0.01μF,50V
C3026	QERF1CM-106	E CAPACITOR	10μF,16V
C3027	QETL0JM-338	E CAPACITOR	3300μF,6.3V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C3029	NCB21HK-103X	CAPACITOR	0.01μF,50V
C3035	NDC21HJ-101X	CAPACITOR,HR-J258E	100pF,50V
C3041	NDC21HJ-470X	CAPACITOR	47pF,50V
C3042	NDC21HJ-470X	CAPACITOR	47pF,50V
C3043	NCB21HK-473X	CAPACITOR	0.047μF,50V
C3044	QERF0JM-107	E CAPACITOR	100μF,6.3V
C3045	NCB21EK-104X	CAPACITOR	0.1μF,25V
C3303	NCB21HK-102X	CAPACITOR,HR-J258E	0.001μF,50V
C3304	NCB21EK-104X	CAPACITOR,HR-J258E	0.1μF,25V
C3305	QEKJ1HM-335	E CAPACITOR,HR-J258E	3.3μF,50V
C3313	NDC21HJ-330X	CAPACITOR,HR-J258E	33pF,50V
C3314	QAT3725-300Z	TRIM CAPACITOR,HR-J258E	
C4001	NCB21EK-104X	CAPACITOR	0.1μF,25V
C4002	QEKJ1HM-224	E CAPACITOR	0.22μF,50V
C4004	QEKJ0JM-226	E CAPACITOR	22μF,6.3V
C4007	NCB21HK-273X	CAPACITOR	0.027μF,50V
C4008	QEKJ1CM-106	E CAPACITOR	10μF,16V
C4009	NCB21HK-102X	CAPACITOR	0.001μF,50V
C4011	NCB21CK-224X	CAPACITOR	0.22μF,16V
C4012	NCB21EK-563X	CAPACITOR	0.056μF,25V
C4013	NCB21HK-102X	CAPACITOR	0.001μF,50V
C4014	NDC21HJ-101X	CAPACITOR	100pF,50V
C4015	NDC21HJ-101X	CAPACITOR	100pF,50V
C4016	QEKJ0JM-476	E CAPACITOR	47μF,6.3V
C4017	NCB21HK-103X	CAPACITOR	0.01μF,50V
C4019	NCB21EK-104X	CAPACITOR	0.1μF,25V
C4021	NCB21EK-104X	CAPACITOR,HR-J258E	0.1μF,25V
⚠ C5001	QFZ9051-683	F CAPACITOR	0.068μF,250V
⚠ C5002	QFZ9051-333	F CAPACITOR	0.033μF,250V
⚠ C5005	QCZ9071-222	CAPACITOR	0.0022μF,400V
C5006	QEZ0374-686	E CAPACITOR	68μF,400V
C5101	QCZ0212-472	CAPACITOR	0.0047μF,1kV
C5102	QCZ0302-330Z	CAPACITOR	33pF,1kV
C5104	QETC1HM-105	E CAPACITOR	1μF,50V
C5105	QFN31HJ-183	F CAPACITOR	0.018μF,50V
C5106	QCBB1HJ-271	CAPACITOR	270pF,50V
C5107	QFV11HJ-104	F CAPACITOR	0.1μF,50V
C5201	QEMU0JM-227	E CAPACITOR	220μF,6.3V
C5202	QEMT1CM-827	E CAPACITOR	820μF,16V
C5203	QETC1CM-227	E CAPACITOR	220μF,16V
C5204	QEMT1AM-687	E CAPACITOR	680μF,10V
C5205	QETC1AM-227	E CAPACITOR	220μF,10V
C5207	QETC1JM-106	E CAPACITOR	10μF,63V
C5208	QETC1HM-106	E CAPACITOR	10μF,50V
C5301	QEMU0JM-227	E CAPACITOR	220μF,6.3V
C5302	QETC1HM-106	E CAPACITOR	10μF,50V
C5303	QETC1CM-107	E CAPACITOR	100μF,16V
C5304	QFLC1HJ-183Z	F CAPACITOR	0.018μF,50V
C5306	NCF21HZ-103X	CAPACITOR	0.01μF,50V
C5309	QETC1AM-107	E CAPACITOR	100μF,10V
C5310	QETC1CM-226	E CAPACITOR	22μF,16V
C5316	QEKC1CM-476	E CAPACITOR,HR-J258E	47μF,16V
C5317	QETC1CM-107	E CAPACITOR,HR-J258E	100μF,16V
C6001	QETC1CM-476	E CAPACITOR	47μF,16V
C6003	QETC1CM-336	E CAPACITOR	33μF,16V
C6004	NCB21HK-103X	CAPACITOR	0.01μF,50V
C6005	QETC1HM-106	E CAPACITOR	10μF,50V
C6006	NCB21HK-103X	CAPACITOR	0.01μF,50V
C6008	NCB21HK-103X	CAPACITOR	0.01μF,50V
C6012	QETC1HM-106	E CAPACITOR	10μF,50V
C6014	NCB21HK-473X	CAPACITOR	0.047μF,50V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C6024	NCB21HK-471X	CAPACITOR	470pF,50V
C6027	NDC21HJ-101X	CAPACITOR	100pF,50V
C6031	QETC1HM-106	E CAPACITOR,HR-J250E	10μF,50V
	QUY153-050Y	E CAPACITOR	
C6033	NRSA02J-0R0X	MG RESISTOR,HR-J258E	0Ω,1/10W
C6037	QETC1HM-106	E CAPACITOR,HR-J258E	10μF,50V
C6051	NDC21HJ-101X	CAPACITOR	100pF,50V
C6052	NCB21HK-103X	CAPACITOR	0.01μF,50V
C7001	NCB21HK-102X	CAPACITOR	0.001μF,50V
C7002	QEKJ1HM-106	E CAPACITOR	10μF,50V
C7007	QEKJ0JM-476	E CAPACITOR	47μF,6.3V
C7008	NCB21EK-223X	CAPACITOR	0.022μF,25V
C7009	NDC21HJ-220X	CAPACITOR	22pF,50V
C7010	NCB21EK-104X	CAPACITOR	0.1μF,25V
C7011	QEKJ0JM-227	E CAPACITOR	220μF,6.3V
C7101	NCB21HK-331X	CAPACITOR	330pF,50V
C7102	NCB21HK-331X	CAPACITOR	330pF,50V
C7103	NCB21HK-102X	CAPACITOR,HR-J250E	0.001μF,50V
	NCB21HK-471X	CAPACITOR,HR-J258E	470pF,50V
C7104	NCB21HK-331X	CAPACITOR,HR-J258E	330pF,50V
C7105	NCB21HK-331X	CAPACITOR,HR-J258E	330pF,50V
C7106	NCB21HK-471X	CAPACITOR,HR-J258E	470pF,50V
C7107	QETC0JM-477	E CAPACITOR,HR-J250E	470μF,6.3V
C7109	NDC21HJ-331X	CAPACITOR	330pF,50V
C7110	NDC21HJ-331X	CAPACITOR	330pF,50V
C7111	NDC21HJ-331X	CAPACITOR,HR-J258E	330pF,50V
C7112	NDC21HJ-331X	CAPACITOR,HR-J258E	330pF,50V
C7122	QETC1CM-476	E CAPACITOR,HR-J258E	47μF,16V
C7123	NCB21EK-104X	CAPACITOR,HR-J258E	0.1μF,25V
C7124	NCB21EK-223X	CAPACITOR,HR-J258E	0.022μF,25V
C7125	QDVB1EZ-223Y	CAPACITOR,HR-J258E	0.022μF,25V
C7126	QDVB1EZ-223Y	CAPACITOR,HR-J258E	0.022μF,25V
C7127	NCB21EK-223X	CAPACITOR,HR-J258E	0.022μF,25V
C7128	QEKJ1CM-106	E CAPACITOR,HR-J258E	10μF,16V
C7129	QEKJ1CM-106	E CAPACITOR,HR-J258E	10μF,16V
C7130	QEKJ1CM-106	E CAPACITOR,HR-J258E	10μF,16V
C7131	QEKJ1CM-476	E CAPACITOR,HR-J258E	47μF,16V
C7132	QETC1CM-476	E CAPACITOR,HR-J258E	47μF,16V
C7133	QEKJ1CM-476	E CAPACITOR,HR-J258E	47μF,16V
C7134	QEKJ1CM-106	E CAPACITOR,HR-J258E	10μF,16V
C7135	NDC21HJ-330X	CAPACITOR,HR-J258E	33pF,50V
C7136	NDC21HJ-330X	CAPACITOR,HR-J258E	33pF,50V
C7141	NCB21HK-102X	CAPACITOR,HR-J258E	0.001μF,50V
C7142	QDVB1EZ-223Y	CAPACITOR,HR-J258E	0.022μF,25V
C7144	NCB21EK-104X	CAPACITOR,HR-J258E	0.1μF,25V
C7145	NDC21HJ-101X	CAPACITOR,HR-J258E	100pF,50V
C7153	NCB21EK-103X	CAPACITOR,HR-J250E	0.01μF,25V
C7154	QEKJ1CM-476	E CAPACITOR,HR-J250E	47μF,16V
L1	QQL29BJ-100Z	COIL	10μH
L4	QQL29BJ-100Z	COIL	10μH
L7	QQL29BK-R22Z	COIL	0.22μH
L8	QQL29BJ-101Z	COIL	100μH
L9	QQL29BJ-100Z	COIL	10μH
L18	PELN1203	COIL	12μH
L101	QQL29BJ-221Z	COIL	220μH
L202	QQL29BJ-330Z	COIL,HR-J258E	33μH
L203	QQL29BJ-220Z	COIL,HR-J250E	22μH
L204	QQL29BK-1R0Z	COIL	1μH
L251	QQL29BJ-100Z	COIL,HR-J258E	10μH
L252	QQL29BJ-220Z	COIL	22μH
L5201	PELN1184	COIL	33μH

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
L5202	PELN1184	COIL	33µH
L5301	QQL29BJ-151Z	COIL	150µH
L6002	QQL29BK-1R0Z	COIL	1µH
L6031	QQL29BK-1R0Z	COIL,HR-J250E	1µH
L7101	QRE141J-101Y	RESISTOR	100Ω,1/4W
L7102	QRE141J-101Y	RESISTOR	100Ω,1/4W
L7103	QRE141J-101Y	RESISTOR	100Ω,1/4W
L7105	QRE141J-101Y	RESISTOR,HR-J258E	100Ω,1/4W
L7106	NRSA02J-101X	MG RESISTOR,HR-J258E	100Ω,1/10W
L7107	NRSA02J-101X	MG RESISTOR,HR-J258E	100Ω,1/10W
L7122	QQL231J-1R0Y	COIL,HR-J258E	1µH
L7123	QQL231J-1R0Y	COIL,HR-J258E	1µH
CF3301	PU60440-2	RESONATOR,HR-J258E	
X1	QAX0436-001	CRYSTAL RESONATOR	
X3001	QAX0320-001	CRYSTAL RESONATOR	
X3002	QAX0445-001	CRYSTAL RESONATOR,HR-J250E	
X3302	QAX0445-001	CRYSTAL RESONATOR,HR-J258E	
S3001	QSW0602-002	PUSH SWITCH,REC SAFETY	
S7001	QSW0619-002Z	TACT SWITCH,POWER	
S7002	QSW0619-002Z	TACT SWITCH,C.RESET	
S7004	QSW0619-002Z	TACT SWITCH,CH-	
S7006	QSW0619-002Z	TACT SWITCH,CH+	
S7008	QSW0619-002Z	TACT SWITCH,REC	
S7010	QSW0619-002Z	TACT SWITCH,CH-	
S7011	QSW0619-002Z	TACT SWITCH,REW	
S7012	QSW0619-002Z	TACT SWITCH,STOP/EJECT	
S7013	QSW0619-002Z	TACT SWITCH,REW	
S7014	QSW0619-002Z	TACT SWITCH,PLAY	
S7015	QSW0619-002Z	TACT SWITCH,FF	
S7016	QSW0619-002Z	TACT SWITCH,TIMER	
K5101	QQR0678-001Z	FERRITE BEAD	
⚠ PC5101	PC123F2	PH COUPLER	
⚠ PC5301	PS2501-1	PH COUPLER,HR-J258E	
PS3001	GP3S123	PHOTOTRANSISTOR	
PS3002	GP3S123	PHOTOTRANSISTOR	
T2051	PELN0832	OSC TRANSFORMER	
⚠ T5001	QQS0017-001	SW TRANSF	
DI7001	QLF0031-001	FL TUBE	
HD1	PQ35479-1-4	HOLDER(FDP),DI7001	
⚠ HS1	PQ45788-1-2	HEAT SINK,Q5101	
OT1	LP40226-001A	PC SUPPORT,X2	
OT2	QYTDST3006Z	SCREW,Q5101	
OT3005	QGZ2501L1-02	SHORT SOCKET,CN3005	
SD1	LP30313-001A	SHIELD CASE.PRE/REC	
TU6001	QAU0075-001	TUNER	
WR100	WJM0022-004A	E-SI C WIRE C-F	
⚠ F5001	QMF51E2-1R6J1	FUSE	T1.6A
FC5001	QNG0006-001Z	FUSE CLIP,F5001	
FC5002	QNG0006-001Z	FUSE CLIP,F5001	
J7101	PEMC1104	RGB21PIN SOCKET,AV1 I/O	
J7102	PEMC1104	RGB21PIN SOCKET,HR-J258E	
⚠ LF5001	PELN1204-01-01	LINE FILTER	
⚠ LF5002	QQR0608-001	LINE FILTER	
CN1	QGF1018C4-04	FPC CONNECTOR,(5-8)U.DRUM MOTOR	
CN2001	QGF1207C1-07	FPC CONNECTOR,(1-7)A/C HEAD	
CN2002	QGB2532J1-02	CONNECTOR,(1-2)FE HEAD	
CN3001	QGB2015M1-08	CONNECTOR,(1-8)CAP MDA	
CN3002	QGF1207C1-05	FPC CONNECTOR,(1-5)DRUM MOTOR	
CN3003	QGB2532J1-02	CONNECTOR,(1-2)L.MOTOR	
CN3004	QGB2534J2-04	CONNECTOR,(1-4)R.ENCODER	
CN3005	QGG2504M3-02	HEADER PIN,(1-2)	

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
⚠ CN5001	QGA7901C1-02	CONNECTOR,(1-2)AC IN
CN7002	QGB2530K1-03	CONNECTOR,(1-3)LED,HR-J258E
⚠ CP3001	ICP-N25	CIRCUIT PROTECTOR
⚠ CP4001	ICP-N15	CIRCUIT PROTECTOR
⚠ CP5301	ICP-N25	CIRCUIT PROTECTOR

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CAP.MOTOR SUB BOARD ASSEMBLY <77>

PW1	LPA20001-02A	CAP.M.SUB BOARD ASSY	
Q3801	2SB927/ST/-T	TRANSISTOR	
Q3802	DTC114ES	TRANSISTOR	
	or KRC102M	TRANSISTOR	
Q3803	DTC114ES	TRANSISTOR	
	or KRC102M	TRANSISTOR	
D3801	11ES2	DIODE	
D3802	11ES2	DIODE	
D3803	11ES2	DIODE	
D3804	11ES2	DIODE	
D3806	1N4148M	DIODE	
	or 1SS133	DIODE	
D3807	1N4148M	DIODE	
	or 1SS133	DIODE	
D3808	1N4148M	DIODE	
	or 1SS133	DIODE	
D3809	1N4148M	DIODE	
	or 1SS133	DIODE	
R3802	QRE141J-103Y	RESISTOR	10kΩ,1/4W
R3803	QRE123J-331X	RESISTOR	330Ω,1/2W
R3804	QRE141J-103Y	RESISTOR	10kΩ,1/4W
R3807	QRE141J-153Y	RESISTOR	15kΩ,1/4W
CN3801	QGA2001C1-06	CONNECTOR,(1-6)MAIN	

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